

QY	181	GAACCTTGGGCTCTTCTCTTCCGCGCATGGAAATTCTGCTCCGGCTTTTAAAGCCCTCTG	240
Db	181	GAACCTTGGGCTCTTCTCTTCCGCGCATGGAAATTCTGCTCCGGCTTTTAAAGCCCTCTG	240
QY	241	AGCCAAAGAAACCACAGACAAACAGATGCCATACGACAGCTATAGACGTAACTCCGAGC	300
Db	241	AGCCAAAGAAACCACAGACAAACAGATGCCATACGACAGCTATAGACGTAACTCCGAGC	300
QY	301	TCGGTTTCTGTCCGCTAGATTACAGTATTTAAATTTATATATATATTTATTTATATA	360
Db	301	TCGGTTTCTGTCCGCTAGATTACAGTATTTAAATTTATATATATATATTTATTTATATA	360
QY	361	GCATTTTGTATACCTCATATCTGTTTACAATCTGGAAGGGCCCTAGATGCTCTTA	420
Db	361	GCATTTTGTATACCTCATATCTGTTTACAATCTGGAAGGGCCCTAGATGCTCTTA	420
QY	421	CTAAACAACACACTACTCCAGAGAAATGGCAAGGTGATTAACAGATCTACAGCTCTACG	480
Db	421	CTAAACAACACACTACTCCAGAGAAATGGCAAGGTGATTAACAGATCTACAGCTCTACG	480
QY	481	CCGCTTCTGTCTTTTGGTGAATACTATGATGCTCATCTGAGCTTCAATTAATTCAT	540
Db	481	CCGCTTCTGTCTTTTGGTGAATACTATGATGCTCATCTGAGCTTCAATTAATTCAT	540
QY	541	TTGTCTTGGCAATCTCCGCTGGGAGCCAAATGATATGACAAATCTTTTGGTATACAGCTGTG	600
Db	541	TTGTCTTGGCAATCTCCGCTGGGAGCCAAATGATATGACAAATCTTTTGGTATACAGCTGTG	600
QY	601	GCTCAGGTATAGTACCTCGAAGCAAGCCTCATCTAGTAGCATCTTTGAAACAATGG	660
Db	601	GCTCAGGTATAGTACCTCGAAGCAAGCCTCATCTAGTAGCATCTTTGAAACAATGG	660
QY	661	GCTCTGTCTTACTGAGGGGCCAAAGTAGCGAAACCATCCGAGAGGGCTTGATGACGTGG	720
Db	661	GCTCTGTCTTACTGAGGGGCCAAAGTAGCGAAACCATCCGAGAGGGCTTGATGACGTGG	720
QY	721	AGATGTACAACCTGACTCAAGGGGCTACTGATAGCCGGCTCAGTCAAGCTATGTTGGTT	780
Db	721	AGATGTACAACCTGACTCAAGGGGCTACTGATAGCCGGCTCAGTCAAGCTATGTTGGTT	780
QY	781	CTGCTGTGTGGCAACTCGTGGCTTGTGTTTGAAGCTCCTATTTCTGGAACCCATTTGTA	840
Db	781	CTGCTGTGTGGCAACTCGTGGCTTGTGTTTGAAGCTCCTATTTCTGGAACCCATTTGTA	840
QY	841	TTGTTGTGTGCACTATTTGGTTTCTCCCTCGTGGCAAAAGGGGACAGAGGGTCAAGTGT	900
Db	841	TTGTTGTGTGCACTATTTGGTTTCTCCCTCGTGGCAAAAGGGGACAGAGGGTCAAGTGT	900
QY	901	CTGAACCTGATTAATAATTGTGATGTCTTGGTGTGTGCTCCCACTGCTTTCTGGAATTATGT	960
Db	901	CTGAACCTGATTAATAATTGTGATGTCTTGGTGTGTGCTCCCACTGCTTTCTGGAATTATGT	960
QY	961	CTGGAATTTTATCTTCCGCTGGTGTGGATTCATCTGCATTAAGGACAGATCAGTCTCTA	1020
Db	961	CTGGAATTTTATCTTCCGCTGGTGTGGATTCATCTGCATTAAGGACAGATCAGTCTCTA	1020
QY	1021	ATGTTTGTGAGCTTTGCGACATTTCTATGCTGACAGTTGGAATAAACCTCTTTTCCA	1080
Db	1021	ATGTTTGTGAGCTTTGCGACATTTCTATGCTGACAGTTGGAATAAACCTCTTTTCCA	1080
QY	1081	TCATGTATATCTGAGACACGTTGCTGTGGCTTTGACAAACTTCTCTGTGTGGGTACATCC	1140
Db	1081	TCATGTATATCTGAGACACGTTGCTGTGGCTTTGACAAACTTCTCTGTGTGGGTACATCC	1140
QY	1141	TCATCTCGGTGGAGTGTGAGTTTCTGTGCTTATGCTCTGTTCTTTGTATATGCCA	1200
Db	1141	TCATCTCGGTGGAGTGTGAGTTTCTGTGCTTATGCTCTGTTCTTTGTATATGCCA	1200
QY	1201	GGATGAAGAGAAAATTGAAACGAGAAATAAGTGTAGTCTTCTGAAAGCCCTTAAATGG	1260
Db	1201	GGATGAAGAGAAAATTGAAACGAGAAATAAGTGTAGTCTTCTGAAAGCCCTTAAATGG	1260
QY	1261	AAAAAAGATAGCTTGAAGAAGACATGAAGAAAACAAGTTGTCTGTGTGTATATTG	1320

Db	1261	AAAAAAGAAATAGCTTGAAGAAGACATGAAAGAAACAAAGTTGTCGTGTGGGATTTG	1320
Qy	1321	AAAAAGACATCTGTGTTCTGAGTAGGGCCCTGCCACTGTGCCCTCCAGGCTGTGGTG	1380
Db	1321	AAAAAAGACATCTGTGTTCTGAGTAGGGCCCTGCCACTGTGCCCTCCAGGCTGTGGTG	1380
Qy	1381	AGGAGAGAACAAGTCATTCATCAAACTTGGAGATTTGGAGAGACCTCCAGAGAGAAAGGC	1440
Db	1381	AGGAGAGAACAAGTCATTCATCAAACTTGGAGATTTGGAGAGACCTCCAGAGAGAAAGGC	1440
Qy	1441	TTCCAGAGGTGACCTTGAAGAAGAAACCAAGCATAGTATGACACCGTGAATGTGTGACGTG	1500
Db	1441	TTCCAGAGGTGACCTTGAAGAAGAAACCAAGCATAGTATGACACCGTGAATGTGTGACGTG	1500
Qy	1501	AGTTGCCATPATGGGAACCTTGTCCAGTTCAGTCAAGCCGTCAAGCAACCAATTAATCCCA	1560
Db	1501	AGTTGCCATPATGGGAACCTTGTCCAGTTCAGTCAAGCCGTCAAGCAACCAATTAATCCCA	1560
Qy	1561	GTGGGCATCAACAAGTATCAACACCGGTGCAATAAGGATTCGGGCCCTGTACAAAGAGTACTCC	1620
Db	1561	GTGGGCATCAACAAGTATCAACACCGGTGCAATAAGGATTCGGGCCCTGTACAAAGAGTACTCC	1620
Qy	1621	ATTAATTACATCTTCCCAAGGTGGAGATTGCATGGGAGACTCCGGTGAACAAACCCCTTAA	1680
Db	1621	ATTAATTACATCTTCCCAAGGTGGAGATTGCATGGGAGACTCCGGTGAACAAACCCCTTAA	1680
Qy	1681	GGCGCAATPATATAGCTATATCTTCTATACATGGCAATATGTGGCATGCTCTGGATTCAAT	1740
Db	1681	GGCGCAATPATATAGCTATATCTTCTATACATGGCAATATGTGGCATGCTCTGGATTCAAT	1740
Qy	1741	TCCGTCGCAAAAGAAAGGTGACAAAGAAAGGGGGAAGAAATGGAGAAAGCTGACATGGCCCTAATG	1800
Db	1741	TCCGTCGCAAAAGAAAGGTGACAAAGAAAGGGGGAAGAAATGGAGAAAGCTGACATGGCCCTAATG	1800
Qy	1801	CAGACTCCAAAGAGGGAATTCGAATGACAGTTTACACAGTTACTGCAATGCTGTGTCTG	1860
Db	1801	CAGACTCCAAAGAGGGAATTCGAATGACAGTTTACACAGTTACTGCAATGCTGTGTCTG	1860
Qy	1861	ACCTTCACTCAGCATCTGAGATAGACATGATGTCAGAGCAAGATAGTGGTCTTAGGTGACA	1920
Db	1861	ACCTTCACTCAGCATCTGAGATAGACATGATGTCAGAGCAAGATAGTGGTCTTAGGTGACA	1920
Qy	1921	GAAAAAGAAATATGGGCTCTTAGAAGAAATGGTATGACAGGATTAAGCCGTAAGTCTCTC	1980
Db	1921	GAAAAAGAAATATGGGCTCTTAGAAGAAATGGTATGACAGGATTAAGCCGTAAGTCTCTC	1980
Qy	1981	TGCTCTCCAGTTCCGACGATTCCTTACAGCCGTCTTGGGTCAATTCGCCCATGTGGCA	2040
Db	1981	TGCTCTCCAGTTCCGACGATTCCTTACAGCCGTCTTGGGTCAATTCGCCCATGTGGCA	2040
Qy	2041	ATGACGTAAAGCAATGCAATGGGCTCTGTGTTGCTTATATTTGTTATATGACACAGAG	2100
Db	2041	ATGACGTAAAGCAATGCAATGGGCTCTGTGTTGCTTATATTTGTTATATGACACAGAG	2100
Qy	2101	ATGTTTCTTCAAAAGTGGCAACCAATATGGCTTACTATCTATATGGTGTGTGTATCT	2160
Db	2101	ATGTTTCTTCAAAAGTGGCAACCAATATGGCTTACTATCTATATGGTGTGTGTATCT	2160
Qy	2161	GGTTGGTGTGAGGGTTTGGGGAAGAAAGATTATCAGACCATGAGGAAAGATCTGCAC	2220
Db	2161	GGTTGGTGTGAGGGTTTGGGGAAGAAAGATTATCAGACCATGAGGAAAGATCTGCAC	2220
Qy	2221	CGATCAACCCCTCTAGTGGCTTCAGTATTTGAATGGCATCTGGCCCTCACTGTGGTGAATTG	2280
Db	2221	CGATCAACCCCTCTAGTGGCTTCAGTATTTGAATGGCATCTGGCCCTCACTGTGGTGAATTG	2280
Qy	2281	CATCAAAATTTGGCTTCCCATCAGTACAAACATTTGTAAAGTGGGCTCTGTTGTGTCTG	2340
Db	2281	CATCAAAATTTGGCTTCCCATCAGTACAAACATTTGTAAAGTGGGCTCTGTTGTGTCTG	2340
Qy	2341	TTGGCTGGCTCCGGTCCAGAAAGGCGTTGACCTGGGCTCTTTCGTAACATTTTATGG	2400
Db	2341	TTGGCTGGCTCCGGTCCAGAAAGGCGTTGACCTGGGCTCTTTCGTAACATTTTATGG	2400

Db 2341 TTGGCTGGCTCCGGTCCAGAGAGCGTGTGACGTGCGCTCTCTTTCTGTAACATTTTATNG 2400
 Qy 2401 CCTGGTTTGTACAGTCCCATTTCTGAGATTAACAGTGCATCATGAGCAATCTCA 2460
 Db 2401 CCTGGTTTGTACAGTCCCATTTCTGAGATTAACAGTGCATCATGAGCAATCTCA 2460
 Qy 2461 GATATGTATCTCAGAAATGTGAAGTGTGATTAATTAATTTTGTCAATGTTTGGGA 2520
 Db 2461 GATATGTATCTCAGAAATGTGAAGTGTGATTAATTAATTTTGTCAATGTTTGGGA 2520
 Qy 2521 CCATCTTAAGTATCTGCTGCTCCCTGGAAGATGATTAACAGTGTAAACAGAACTGCA 2580
 Db 2521 CCATCTTAAGTATCTGCTGCTCCCTGGAAGATGATTAACAGTGTAAACAGAACTGCA 2580
 Qy 2581 GAGTCTTTTATTTTGGAGCAGAGAGAGAGAGTGTACTGTGCTTAATCTGCTTTTGT 2640
 Db 2581 GAGTCTTTTATTTTGGAGCAGAGAGAGAGAGTGTACTGTGCTTAATCTGCTTTTGT 2640
 Qy 2641 GCTAAATATGAAATGTCTCAAAATTAAGCTGTGTAATAAGCCGGGTTCCACTGGCTCT 2700
 Db 2641 GCTAAATATGAAATGTCTCAAAATTAAGCTGTGTAATAAGCCGGGTTCCACTGGCTCT 2700
 Qy 2701 GCTAAGTCTCCCTCTCTCTCTGAGGCTGTGAATCTCTGTAATCTTCTTACTTTTGT 2760
 Db 2701 GCTAAGTCTCCCTCTCTCTGAGGCTGTGAATCTCTGTAATCTTCTTACTTTTGT 2760
 Qy 2761 TCAGGCTTCAATTCATTAATGTTTAAATGTTGCTCTGAGAGATCACTTGTGATTTTGT 2820
 Db 2761 TCAGGCTTCAATTCATTAATGTTTAAATGTTGCTCTGAGAGATCACTTGTGATTTTGT 2820
 Qy 2821 TCTTTTATTTTAAACATGAGAGAGCGTTTGAACAGAGATGCTGCGTGTGTTTGT 2880
 Db 2821 TCTTTTATTTTAAACATGAGAGAGCGTTTGAACAGAGATGCTGCGTGTGTTTGT 2880
 Qy 2881 CAGCTTCTGCGCTCAATGCAAGAGATTTTAAACAAATTAATTAATTAATTAATTAAT 2940
 Db 2881 CAGCTTCTGCGCTCAATGCAAGAGATTTTAAACAAATTAATTAATTAATTAATTAAT 2940
 Qy 2941 GTAGTCTCTTAATTAATGAGAGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 3000
 Db 2941 GTAGTCTCTTAATTAATGAGAGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 3000
 Qy 3001 CTATTTGCAATATGAGAGCTTCTTAAGAGGATGAGTCTTGTGAACAGAGTGAATTT 3060
 Db 3001 CTATTTGCAATATGAGAGCTTCTTAAGAGGATGAGTCTTGTGAACAGAGTGAATTT 3060
 Qy 3061 AATTTAGTAATTTTGTGAAGAGTGTATTAATTAATTAATTAATTAATTAATTAAT 3120
 Db 3061 AATTTAGTAATTTTGTGAAGAGTGTATTAATTAATTAATTAATTAATTAATTAAT 3120
 Qy 3121 GAAAAAGCGTGTGCAATCTGTTAATTTCTTAAGATTTCTGGGAGTGTGGAGTGGAT 3180
 Db 3121 GAAAAAGCGTGTGCAATCTGTTAATTTCTTAAGATTTCTGGGAGTGTGGAGTGGAT 3180
 Qy 3181 GAATGAAGTGAATGTGAATTTTGGGCAAGTTAAATGGAAGAGCTTCAATGTTCAATTT 3240
 Db 3181 GAATGAAGTGAATGTGAATTTTGGGCAAGTTAAATGGAAGAGCTTCAATGTTCAATTT 3240
 Qy 3241 TCTACTCTTAATGAATTAATAAAGCTTCAAGTGTGTAAGAAAAA 3290
 Db 3241 TCTACTCTTAATGAATTAATAAAGCTTCAAGTGTGTAAGAAAAA 3290

RESULT 2

; US-09-919-039-164
 ; Sequence 164, Application US/09919039
 ; Publication No. US20030108871A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Kaseer, Matthew R.
 ; TITLE OF INVENTION: GENES EXPRESSED IN TREATED HUMAN C3A LIVER CELL CULTURES
 ; FILE REFERENCE: PA-0035 US
 ; CURRENT APPLICATION NUMBER: US/09/919,039
 ; CURRENT FILING DATE: 2002-09-09

; PRIOR APPLICATION NUMBER: 60/222,113
 ; PRIOR FILING DATE: 2000-07-28
 ; NUMBER OF SEQ ID NOS: 401
 ; SOFTWARE: PERL Program
 ; SEQ ID NO 164
 ; LENGTH: 3290
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY: misc feature
 ; OTHER INFORMATION: Inycle ID No. US20030108871A1 2023119CBI
 ; US-09-919-039-164

Query Match 100.0%; Score 3290; DB 11; Length 3290;
 Best Local Similarity 100.0%; Pred. No. 0;
 Matches 3290; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CGGCGCTCTCTGCTGCTGCTTCTTCTCGGCGCTGAACCCCGCGCTGCTTCTGGG 60
 Db 1 CGGCGCTCTCTGCTGCTGCTTCTTCTCGGCGCTGAACCCCGCGCTGCTTCTGGG 60
 Qy 61 AAGTGTGAGTCCCGCTGAGCTGTCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 120
 Db 61 AAGTGTGAGTCCCGCTGAGCTGTCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 120
 Qy 121 CTCACGCGCTGCGGCTGATCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 180
 Db 121 CTCACGCGCTGCGGCTGATCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 180
 Qy 181 GAACTTGGCTCTTCTCTCTCTGCGCATGAAATTCGTCGCTGCTTCTTAAAGCTCTG 240
 Db 181 GAACTTGGCTCTTCTCTCTCTGCGCATGAAATTCGTCGCTGCTTCTTAAAGCTCTG 240
 Qy 241 AGCAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAG 300
 Db 241 AGCAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAG 300
 Qy 301 TCGGTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 360
 Db 301 TCGGTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 360
 Qy 361 GCATTTTGAATCTCATATTCCTGTTTACATCTTGAAGAGGCTGAGTGTCTTTA 420
 Db 361 GCATTTTGAATCTCATATTCCTGTTTACATCTTGAAGAGGCTGAGTGTCTTTA 420
 Qy 421 CTAAACAAACATCTCACTCAAGAAATGGAAGAGTGAATTAACAGTACTAAGCTGCTAC 480
 Db 421 CTAAACAAACATCTCACTCAAGAAATGGAAGAGTGAATTAACAGTACTAAGCTGCTAC 480
 Qy 481 CCGCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 540
 Db 481 CCGCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 540
 Qy 541 TTGCTTGGCAATTCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 600
 Db 541 TTGCTTGGCAATTCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 600
 Qy 601 GCTCAAGTGTAGAGACCTGGAAGCAAGCTGCAATCTTACTGACATCTTGAAGACGTGG 660
 Db 601 GCTCAAGTGTAGAGACCTGGAAGCAAGCTGCAATCTTACTGACATCTTGAAGACGTGG 660
 Qy 661 GCTGCTCTTAAGGGGGGCAAGAGTGAAGCAACATCCGGAAGGGCTGATTGAGTGG 720
 Db 661 GCTGCTCTTAAGGGGGGCAAGAGTGAAGCAACATCCGGAAGGGCTGATTGAGTGG 720
 Qy 721 AGATGTACAATCTGACTCAAGGGCTACTGATGCGGCTCAAGTGTGCTAATGTTGGTT 780
 Db 721 AGATGTACAATCTGACTCAAGGGCTACTGATGCGGCTCAAGTGTGCTAATGTTGGTT 780
 Qy 781 CTGCTGTGAGCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 840
 Db 781 CTGCTGTGAGCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 840

Qy 841 TTGTTGGTGAACATATGGTTCTCTCCCTGTGGCAAAAGGGGACAGAGGGGTCTCAAGTGT 900
Db 841 TTGTTGGTGAACATATGGTTCTCTCCCTGTGGCAAAAGGGGACAGAGGGGTCTCAAGTGT 900
Qy 901 CTGAACTGATTAATAATGTGATGTCTGGTTCGTGCTCCCACTGCTTTCTGGAATTATGT 960
Db 901 CTGAACTGATTAATAATGTGATGTCTGGTTCGTGCTCCCACTGCTTTCTGGAATTATGT 960
Qy 961 CTGGAATTTTATCTCTCGTGTGGTGCATTCATCTCCATPAAGACAGATCAAGTTCTTA 1020
Db 961 CTGGAATTTTATCTCTCGTGTGGTGCATTCATCTCCATPAAGACAGATCAAGTTCTTA 1020
Qy 1021 ATGTTTTCGAGCTTTGCGACGTTTCTATGCTGCAAGTTGGAATAAACCCTTTTCCA 1080
Db 1021 ATGTTTTCGAGCTTTGCGACGTTTCTATGCTGCAAGTTGGAATAAACCCTTTTCCA 1080
Qy 1081 TCATGTATCTGAGACACCGTTGCTGGCTTTGACAAACCTTCTGTGGGGTACCATCC 1140
Db 1081 TCATGTATCTGAGACACCGTTGCTGGCTTTGACAAACCTTCTGTGGGGTACCATCC 1140
Qy 1141 TCATCTGSGTGGAGTGGCAGTTTCTGTGCTTATGCTGCTGTTGTTGTATGTCCTCA 1200
Db 1141 TCATCTGSGTGGAGTGGCAGTTTCTGTGCTTATGCTGCTGTTGTTGTATGTCCTCA 1200
Qy 1201 GGATGAAGAGAAAAATTGGAAGAGAAATPAAGTGAATCTTCTGAAAGCCCTTAAATGG 1260
Db 1201 GGATGAAGAGAAAAATTGGAAGAGAAATPAAGTGAATCTTCTGAAAGCCCTTAAATGG 1260
Qy 1261 AAAAAAGATATGCTTGAAGAAGAACATGAAGAAACAAAGTTGTCTGTGGTGAATTTG 1320
Db 1261 AAAAAAGATATGCTTGAAGAAGAACATGAAGAAACAAAGTTGTCTGTGGTGAATTTG 1320
Qy 1321 AAAACAAGCATCTGTTTCTGAGGTAAGGGGCTGCACTGTGCCCCCTCAGGCTGTGGTG 1380
Db 1321 AAAACAAGCATCTGTTTCTGAGGTAAGGGGCTGCACTGTGCCCCCTCAGGCTGTGGTG 1380
Qy 1381 AGGAGAGAACAGTCTCAATCAACTTGGAGATTTGAGAGAACTTCCAGAGAGAGAGAGGC 1440
Db 1381 AGGAGAGAACAGTCTCAATCAACTTGGAGATTTGAGAGAACTTCCAGAGAGAGAGAGGC 1440
Qy 1441 TTCCCAAGCTGGAATTTGAAGAAGAAACAGACATGATAGCAACGTGATGTGTCAATGC 1500
Db 1441 TTCCCAAGCTGGAATTTGAAGAAGAAACAGACATGATAGCAACGTGATGTGTCAATGC 1500
Qy 1501 AGTGGCCCTAATGGGAACTTGTCCAGTTCAGTCAAGCCGTGAGAACCAATAAATCTCA 1560
Db 1501 AGTGGCCCTAATGGGAACTTGTCCAGTTCAGTCAAGCCGTGAGAACCAATAAATCTCA 1560
Qy 1561 GTGGCCACTACAGATACACACCGTGCATAAGATTCGGGCTGTACAAAAGGCTACTCC 1620
Db 1561 GTGGCCACTACAGATACACACCGTGCATAAGATTCGGGCTGTACAAAAGGCTACTCC 1620
Qy 1621 ATTAATTAATCATCTTGGCCAAAGGTGGAGATTGCAATGGGAGACTCCGGTGCACAAACCTTAA 1680
Db 1621 ATTAATTAATCATCTTGGCCAAAGGTGGAGATTGCAATGGGAGACTCCGGTGCACAAACCTTAA 1680
Qy 1681 GGCCCAATTAATAGCTATATCTCTATACATGAGCAATATGNGGATGCTCTGATTCAT 1740
Db 1681 GGCCCAATTAATAGCTATATCTCTATACATGAGCAATATGNGGATGCTCTGATTCAT 1740
Qy 1741 TCCGTGCAAAAGAGTGAACAGAGGGCGAAGAAATGAGAACTGACATGAGCTTATG 1800
Db 1741 TCCGTGCAAAAGAGTGAACAGAGGGCGAAGAAATGAGAACTGACATGAGCTTATG 1800
Qy 1801 CAGACTCCAAAGAGGAAATTCGAATGACAGATTACACAGATTACTGCAATCTGTCTG 1860
Db 1801 CAGACTCCAAAGAGGAAATTCGAATGACAGATTACACAGATTACTGCAATCTGTCTG 1860
Qy 1861 ACCTTACTGAGCATCTGAGATAGACATGAGTGCAGAGGAGAGATGGGTCTAGGTACA 1920
Db 1861 ACCTTACTGAGCATCTGAGATAGACATGAGTGCAGAGGAGAGATGGGTCTAGGTACA 1920
Qy 1921 GAAAGAGAAATGAGTCTCTAGAGAAATGATGACAGAGATTAAGCTGAACTCTCTC 1980
Db 1921 GAAAGAGAAATGAGTCTCTAGAGAAATGATGACAGAGATTAAGCTGAACTCTCTC 1980
Qy 1981 TCCCTTTCCAGTTCCTGAGATCCTTACAGCCGCTTTGGGTGATTCGCCATGGTGGCA 2040
Db 1981 TCCCTTTCCAGTTCCTGAGATCCTTACAGCCGCTTTGGGTGATTCGCCATGGTGGCA 2040
Qy 2041 ATGACGTAAAGCAATGGCATTTGGGCTCTGGTTGCTTATATTTGGTTATGACACAGAG 2100
Db 2041 ATGACGTAAAGCAATGGCATTTGGGCTCTGGTTGCTTATATTTGGTTATGACACAGAG 2100
Qy 2101 ATGTTTCTCAAAAGTGGCAACCAATATGCTTCTATCTATGTTGGTGTGTATCT 2160
Db 2101 ATGTTTCTCAAAAGTGGCAACCAATATGCTTCTATCTATGTTGGTGTGTATCT 2160
Qy 2161 GTGTTGGTCTGTTGGGTTGGGGAAGAGTTATCCAGACCATGAGGGAAGATCTGACAC 2220
Db 2161 GTGTTGGTCTGTTGGGTTGGGGAAGAGTTATCCAGACCATGAGGGAAGATCTGACAC 2220
Qy 2221 CGATCACACCCCTAGTGGCTTCAATGATGAACTGGCATCTGCCCTCACTGTGTGATTTG 2280
Db 2221 CGATCACACCCCTAGTGGCTTCAATGATGAACTGGCATCTGCCCTCACTGTGTGATTTG 2280
Qy 2281 CATCAAAATATGGCTTTCCCATAGTACAAACATTTGAATGAGGCTCTGTGTGTCTG 2340
Db 2281 CATCAAAATATGGCTTTCCCATAGTACAAACATTTGAATGAGGCTCTGTGTGTCTG 2340
Qy 2341 TTGGCTGGGCTCGGGTCCAAAGAGGCTGTGACATGGGCGTCTTTCGTAACATTTTATGG 2400
Db 2341 TTGGCTGGGCTCGGGTCCAAAGAGGCTGTGACATGGGCGTCTTTCGTAACATTTTATGG 2400
Qy 2401 CCTGTTTGTACAGTCCCATTTCTGAGTTATCAGTGTGCCATCATGCAATCTTCA 2460
Db 2401 CCTGTTTGTACAGTCCCATTTCTGAGTTATCAGTGTGCCATCATGCAATCTTCA 2460
Qy 2461 GATATGTCACTCAGATGTGAATGAGCTTTTGAATTAATTTGTCAATGTTGGGA 2520
Db 2461 GATATGTCACTCAGATGTGAATGAGCTTTTGAATTAATTTGTCAATGTTGGGA 2520
Qy 2521 CCATCTTAAGGATATTCCTGCTCCCTGAAAGATATTAACAGTGTAAACAGAAAGCTGACA 2580
Db 2521 CCATCTTAAGGATATTCCTGCTCCCTGAAAGATATTAACAGTGTAAACAGAAAGCTGACA 2580
Qy 2581 GAGTCTTTTATTTGGGAGCCAGAGAGGGAGTGTATCTTGTCTATAATCTGCTTTTGT 2640
Db 2581 GAGTCTTTTATTTGGGAGCCAGAGAGGGAGTGTATCTTGTCTATAATCTGCTTTTGT 2640
Qy 2641 GCTAAATATGAATGTGCTCAAAATTAGCTGTGTAATAGCCCGGGTCCACTGGCTCCT 2700
Db 2641 GCTAAATATGAATGTGCTCAAAATTAGCTGTGTAATAGCCCGGGTCCACTGGCTCCT 2700
Qy 2701 GCTGAGGTCCCTTCTCTGCGGCTGTGAATCTCGTACATATTTCTCTACTTTTGTGA 2760
Db 2701 GCTGAGGTCCCTTCTCTGCGGCTGTGAATCTCGTACATATTTCTCTACTTTTGTGA 2760
Qy 2761 TCAGGCTTCAATTCATATATGTTTATGTTGTCTCTGAAAGATGACTGTGATTTTGT 2820
Db 2761 TCAGGCTTCAATTCATATATGTTTATGTTGTCTCTGAAAGATGACTGTGATTTTGT 2820
Qy 2821 TCTTTTTTTTAAACATGAAGAGCCGTTTGAACAGACATGCTCTGGGTGTGTTTAC 2880
Db 2821 TCTTTTTTTTAAACATGAAGAGCCGTTTGAACAGACATGCTCTGGGTGTGTTTAC 2880
Qy 2881 CAGCTTCTGCCCTCAATGACAGAGGATTTTAAACAACAAAATTAATCTACATCTCCCT 2940
Db 2881 CAGCTTCTGCCCTCAATGACAGAGGATTTTAAACAACAAAATTAATCTACATCTCCCT 2940
Qy 2941 GTAGTCTCTTATATGAAGAGTCTTGTGATCTGCTCTGTGATGAGTGGCAGAGAT 3000
Db 2941 GTAGTCTCTTATATGAAGAGTCTTGTGATCTGCTCTGTGATGAGTGGCAGAGAT 3000
Qy 3001 CTATGGCATATTCGGGAGCTTCTTAAGAGGATGAGGTTCTTTGAACACATGAAATTT 3060
Db 3001 CTATGGCATATTCGGGAGCTTCTTAAGAGGATGAGGTTCTTTGAACACATGAAATTT 3060

Db 3001 CTAATGGCATATTCGGAGCTTCTTAGAGGAGATGAGCTTCTTTGAACACAGTGAATAATTT 3060
 QY 3061 AATATGATACATTTTTCGACAGAGTTATTCATCTGATTTGCTTAAGAGAGATGAAGAA 3120
 Db 3061 AATATGATACATTTTTCGACAGAGTTATTCATCTGATTTGCTTAAGAGAGATGAAGAA 3120
 QY 3121 GAAAAAGCTGTGGCAATCTTGTTATTTCTTTAGATTTCTGGCAGTGTGGATGAT 3180
 Db 3121 GAAAAAGCTGTGGCAATCTTGTTATTTCTTTAGATTTCTGGCAGTGTGGATGAT 3180
 QY 3181 GAATGAAGTGAATGTAATCTTTGGGCAAGTAAATGAGACAGCTTCCATGTTCAATTTG 3240
 Db 3181 GAATGAAGTGAATGTAATCTTTGGGCAAGTAAATGAGACAGCTTCCATGTTCAATTTG 3240
 QY 3241 TCTACCTCTTAAGTGAATAAAAAGCCTACAGTTTTTAGAAAAA 3290
 Db 3241 TCTACCTCTTAAGTGAATAAAAAGCCTACAGTTTTTAGAAAAA 3290

RESULT 3

US-10-240-965-111
 ; Sequence 111, Application us/10240965
 ; Publication No. US20030165924A1
 ; GENERAL INFORMATION:
 ; APPLICANT: INCYTE GENOMICS, INC.
 ; APPLICANT: SHIFEMAN, Dov
 ; APPLICANT: SOMOGYI, Roland
 ; APPLICANT: LAMN, Richard M.
 ; APPLICANT: SELHAMER, Jeffrey J.
 ; APPLICANT: PORTER, Gordon J.
 ; APPLICANT: MIKITA, Thomas
 ; APPLICANT: TAI, Julie
 ; TITLE OF INVENTION: GENES EXPRESSED IN FOAM CELL DIFFERENTIATION
 ; FILE REFERENCE: PA-0025 PCT
 ; CURRENT APPLICATION NUMBER: US/10/240,965
 ; CURRENT FILING DATE: 2002-10-04
 ; PRIOR APPLICATION NUMBER: 60/195,106
 ; PRIOR FILING DATE: 2000-04-05
 ; NUMBER OF SEQ. ID NOS: 276
 ; SOFTWARE: PERL Program
 ; SEQ. ID NO 111
 ; LENGTH: 3328
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY: misc_feature
 ; OTHER INFORMATION: Incyte ID No. US20030165924A1 474592.3
 US-10-240-965-111

Query Match 99.4%; Score 3270.8; DB 13; Length 3328;

Best Local Similarity 99.9%; Pred. No. 0; Matches 3283; Conservative 0; Mismatches 2; Indels 1; Gaps 1;

QY 1 CGCGGCTCTCTGCGGCTGTTCTTCTCGGCGCGCTGAACCCCGCGGCGCTTCTCTGAG 60
 Db 34 CGCGGCTCTCTGCGGCTGTTCTTCTCGGCGCGCTGAACCCCGCGGCGCTTCTCTGAG 93
 QY 61 AAGGTGTGAGTCCCGTGAAGTGTCCCGGTCGCCGACCCCGGCGCGTGTGCGCTGAG 120
 Db 94 AAGGTGTGAGTCCCGTGAAGTGTCCCGGTCGCCGACCCCGGCGCGTGTGCGCTGAG 153
 QY 121 CTCGAGCGCTGCGGCTGATCTGCTGCTCCGCTCGGCTCGGCTCTCTTCCCTGAAT 180
 Db 154 CTCGAGCGCTGCGGCTGATCTGCTGCTCCGCTCGGCTCGGCTCTCTTCCCTGAAT 213
 QY 181 GAATTCGCTCTTCTTCTTCTCTCGGCGATGAATTCGCTCGGCTTCTTGAAGCTCTG 240
 Db 214 GAATTCGCTCTTCTTCTTCTCTCGGCGATGAATTCGCTCGGCTTCTTGAAGCTCTG 273
 QY 241 AGCGAAAGAAACCCCGACAGACAGATGCCATACGACGCTATAGCAGTAACTCCACAG 300
 Db 274 AGCGAAAGAAACCCCGACAGACAGATGCCATACGACGCTATAGCAGTAACTCCACAG 333

QY 301 TCGGTTCTGTGCGCGTAGTTTACAGTATTTAATTTAATATATATATATTTATATATA 360
 Db 334 TCGGTTCTGTGCGCGTAGTTTACAGTATTTAATTTAATATATATATATATATATATA 393
 QY 361 GCATTTTATATCTCATATTTCTGTTTACACATCTTGAAGGCGCTCAGTATGTTCTTA 420
 Db 394 GCATTTTATATCTCATATTTCTGTTTACACATCTTGAAGGCGCTCAGTATGTTCTTA 453
 QY 421 CTAAACAACCACTACTCGAGAAATGCAACGAGTATACAGTACTACAGCTGCTACCG 480
 Db 454 CTAAACAACCACTACTCGAGAAATGCAACGAGTATACAGTACTACAGCTGCTACCG 513
 QY 481 CCGCTTCTGTGCTTGTGTAATCTATGATGCTCATCTGCGCTTCATTTATGAT 540
 Db 514 CCGCTTCTGTGCTTGTGTAATCTATGATGCTCATCTGCGCTTCATTTATGAT 573
 QY 541 TTGCTTGGCATTTCTCGTGGAGCCATGATGATGATCAAAATCTTTGGTACAGCTGTG 600
 Db 574 TTGCTTGGCATTTCTCGTGGAGCCATGATGATGATCAAAATCTTTGGTACAGCTGTG 633
 QY 601 GCTCAGGTGATGACCCCTGAAGCAAGCTGCATCTGATGATCTTTGAACAGTGTG 660
 Db 634 GCTCAGGTGATGACCCCTGAAGCAAGCTGCATCTGATGATCTTTGAACAGTGTG 693
 QY 661 GCTCTGTCTTACTGCGGCGCAAGTGAAGCAACATCCGGAAGGCTGATGACGTG 720
 Db 694 GCTCTGTCTTACTGCGGCGCAAGTGAAGCAACATCCGGAAGGCTGATGACGTG 753
 QY 721 AGATGTACACTGACTCAAGGCTACTATGAGCGGCTCAGTCACTGATGTTGTT 780
 Db 754 AGATGTACACTGACTCAAGGCTACTATGAGCGGCTCAGTCACTGATGTTGTT 813
 QY 781 CTGCTGTGGAACCTCGGCTGCTGTTTGAAGCTCCCTATTTGGAACCATTTGA 840
 Db 814 CTGCTGTGGAACCTCGGCTGCTGTTTGAAGCTCCCTATTTGGAACCATTTGA 873
 QY 841 TTGTTGTGCAACTATGTTTCTCCCTGTGGAAGGCGGAGGAGTGTCAAGTGT 900
 Db 874 TTGTTGTGCAACTATGTTTCTCCCTGTGGAAGGCGGAGGAGTGTCAAGTGT 933
 QY 901 CTGAATGATAAATTTGATGCTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTT 960
 Db 934 CTGAATGATAAATTTGATGCTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTT 993
 QY 961 CTGAATTTATTTCTGCTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTT 1020
 Db 994 CTGAATTTATTTCTGCTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTT 1053
 QY 1021 ATGTTTGGAGCTTGGCAGTTTCTATGCTGCAAGTGGAAATTAACCTCTTTTCA 1080
 Db 1054 ATGTTTGGAGCTTGGCAGTTTCTATGCTGCAAGTGGAAATTAACCTCTTTTCA 1113
 QY 1081 TCAATGATCTGAGACCGTTGCTGAGCTTTGACAACTTCTCTGTGAGGATCAATCC 1140
 Db 1114 TCAATGATCTGAGACCGTTGCTGAGCTTTGACAACTTCTCTGTGAGGATCAATCC 1173
 QY 1141 TCAATCGGTGAGATGAGATTTCTGTCGCTTATGCTGCTGTTTGTATGTCCTCA 1200
 Db 1174 TCAATCGGTGAGATGAGATTTCTGTCGCTTATGCTGCTGTTTGTATGTCCTCA 1233
 QY 1201 GGATGAAGAGAAATTTGAACAGAAATTAAGTATGCTCTGTAAGACCCCTTAATG 1260
 Db 1234 GGATGAAGAGAAATTTGAACAGAAATTAAGTATGCTCTGTAAGACCCCTTAATG 1293
 QY 1261 AAAAAAGATAGCTTGAAGAAAGACATGAAGAAACAAAGTTGCTGTGATATTTG 1320
 Db 1294 AAAAAAGATAGCTTGAAGAAAGACATGAAGAAACAAAGTTGCTGTGATATTTG 1353
 QY 1321 AAAAAAGATAGCTTGTGAGGATGAGGCTGCACTGTGCGCTCCAGGCGTGTGTG 1380
 Db 1354 AAAAAAGATAGCTTGTGAGGATGAGGCTGCACTGTGCGCTCCAGGCGTGTGTG 1413
 QY 1381 AGAGAGAAACATCTCATTTCAAACTTGAAGATTTGGAGAGCTCCAGAGAGAGAGCG 1440


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? PRIOR FILING DATE: 2000-09-22
? PRIOR APPLICATION NUMBER: US/60/234,567
? PRIOR FILING DATE: 2000-09-22
? NUMBER OF SEQ ID NOS: 1392
? SOFTWARE: PatentIn version 3.0
? SEQ ID NO: 137
? LENGTH: 3220
? TYPE: DNA
? ORGANISM: Homo sapiens
US-09-954-531-137

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Query Match	96.5%	Score 3175.2	DB 10	Length 3220	
Best Local Similarity	99.8%	Pred. No. 0			
Matches 3182	Conservative 0	Mismatches 6	Indels 1	Gaps 1	
QY	97	CCGACCCGGGCGGTGTGCGCGGTGCGCTCAGCGCGCTCGCGCTCGATCTCTGTCCTCCG	156		
Db	24	CCGGGCGCGTGCCTGTGTGCGCGGTGCTCAGCGCGCTCGCGCTCGATCTCTGTCCTCCG	83		
QY	157	CTCGCGCCCTCCCTTTTCCGTGGAGTGAACCTGCGCTCTTCTCTCTCCGCAATGGAATTC	216		
Db	84	CTCGCGCCCTCCCTTTTCCGTGGAGTGAACCTGCGCTCTTCTCTCTCCGCAATGGAATTC	143		
QY	217	TGCTCCGTCGCTTTTAGCCCTCCTCGAGCAAGAAACCACAGACATGCCATAAGC	276		
Db	144	TGCTCCGTCGCTTTTAGCCCTCCTCGAGCAAGAAACCACAGACATGCCATAAGC	203		
QY	277	AGCGTATGCAAGTAACTCCCAAGCTCGGTTTCTGTGCGGTAGTTTACGTAATTAATTT	336		
Db	204	AGCGTATGCAAGTAACTCCCAAGCTCGGTTTCTGTGCGGTAGTTTACGTAATTAATTT	263		
QY	337	ATTATATTAATTAATTAATTAATGACATTTTGTGATACCTCAATTCGTATACATCTT	396		
Db	264	ATTATATTAATTAATTAATTAATTAATGACATTTTGTGATACCTCAATTCGTATACATCTT	323		
QY	397	GAAAGCGCGCTCAGTAGTCTCTTACTAAACAACACATCTCCAGAGATGCGAACGCTGA	456		
Db	324	GAAAGCGCGCTCAGTAGTCTCTTACTAAACAACACATCTCCAGAGATGCGAACGCTGA	383		
QY	457	TTACCACTACTACAGCTCTACACCGCGCTTCTGGTCTTTGGTGGACTACTATGATATC	516		
Db	384	TTACCACTACTACAGCTCTACACCGCGCTTCTGGTCTTTGGTGGACTACTATGATATC	443		
QY	517	TCATCTGTGGGCTCAATTAATGCAATTTGTGGCAATTCCTCGTGGAGCAATGATGAG	576		
Db	444	TCATCTGTGGGCTCAATTAATGCAATTTGTGGCAATTCCTCGTGGAGCAATGATGAG	503		
QY	577	CAAAATCTTTTGGTACAGCTGTGGCTCAGGTGATGATGACCCCTGAGCAACCTGCATCC	636		
Db	504	CAAAATCTTTTGGTACAGCTGTGGGCTCAGGTGATGATGACCCCTGAGCAACCTGCATCC	563		
QY	637	TAGCTAGACTTTTGGAAACAGTGGGCTCTGTCTTACTGTGGGGGCCAAATGAGCGAAACA	696		
Db	564	TAGCTAGACTTTTGGAAACAGTGGGCTCTGTCTTACTGTGGGGGCCAAATGAGCGAAACA	623		
QY	697	TCCGGAAGGGCTTATTTGACGTGAGATGTACACTCGACTCAAGGGGTACTGTAGTGGCG	756		
Db	624	TCCGGAAGGGCTTATTTGACGTGAGATGTACACTCGACTCAAGGGGTACTGTAGTGGCG	683		
QY	757	GCTCAGTCAGTCTATGTTGGTTCTGCTGTGTGGCACTCGTGGCTTCGTTTGTGAAGC	816		
Db	684	GCTCAGTCAGTCTATGTTGGTTCTGCTGTGTGGCACTCGTGGCTTCGTTTGTGAAGC	743		
QY	817	TCCCTAATTTTCGGAACCATGTATATGTTGGTGGCAACTATGGTTTCCCTCGTGGCAA	876		
Db	744	TCCCTAATTTTCGGAACCATGTATATGTTGGTGGCAACTATGGTTTCCCTCGTGGCAA	803		
QY	877	AGGGGACAGAGAGGTCTCAAGTGTCTGAACTGATATAAAATTTGATGATCTTGTGTCGTGT	936		
Db	804	AGGGGACAGAGAGGTCTCAAGTGTCTGAACTGATATAAAATTTGATGATCTTGTGTCGTGT	863		
QY	937	CCCACTGCTTTCTGGAATTATGTCTGGAATTTATCTTCTGTGTTCTGTGATTCATCC	996		

Db	864	CCCCACGCTTTCTTGGAATTAATGCTGGAATTTTATTTCTCTGGTGTGTCGATTCATTC	923
OY	997	TCGATTAAGGCAGATTCGAGTTCCTTAATGCTTTGCGAGCTTTGCGAGTTTCTAATGCTGCA	1056
Db	924	TCGATTAAGGCAGATTCGAGTTCCTTAATGCTTTGCGAGCTTTGCGAGTTTCTAATGCTGCA	983
OY	1057	CAGTTGGAATTAACCTCTTTCCATCAATGTAATCTGAGGCAACCGTGTGGGCTTTGACA	1111
Db	984	CAGTTGGAATTAACCTCTTTTTCATCAATGTAATCTGAGGCAACCGTGTGGGCTTTGACA	1043
OY	1117	AACTTCCCTGTGGGGTACATTCCTCATCTCGGTGGAGTGTGAGTTTCTGTGGCTTTA	1176
Db	1044	AACCTTCCCTGTGGGGTACATTCCTCATCTCGGTGGAGTGTGAGTTTCTGTGGCTTTA	1107
OY	1177	TCGTGTGGTCTTTGTATGTATGCCAGATGAAGAAAAATTGAAACGAGAAATTAAGTGA	1236
Db	1104	TCGTGTGGTCTTTGTATGTATGCCAGATGAAGAAAAATTGAAACGAGAAATTAAGTGA	1165
OY	1237	GTCCTTCTGAAAGCCCCCTTAATGGAATAAAGATAGCTTGAAGAAGACATGAAGAA	1296
Db	1164	GTCCTTCTGAAAGCCCCCTTAATGGAATAAAGATAGCTTGAAGAAGACATGAAGAA	1222
OY	1297	CAAAGTGTCTGTTGATGATTTGAAAAAACAAGATCCGTTTCTGAGGTAGGGCTTGCA	1356
Db	1224	CAAAGTGTCTGTTGATGATTTGAAAAAACAAGATCCGTTTCTGAGGTAGGGCTTGCA	1288
OY	1357	CTGTGCCCTCCAGGCTGTGGTGGAGAGAGAACAGTCTCAATCAACCTTGAGATTTGG	1418
Db	1284	CTGTGCCCTCCAGGCTGTGGTGGAGAGAGAACAGTCTCAATCAACCTTGAGATTTGG	1343
OY	1417	AGGAAGCTCCAGAGAGAGAGAGGCTTCCAGCGTGAATTGAAAAAGAGAAACAGCATAG	1478
Db	1344	AGGAAGCTCCAGAGAGAGAGAGGCTTCCAGCGTGAATTGAAAAAGAGAAACAGCATAG	1403
OY	1477	ATAGCACCGTGAATGAGTGAAGTGAAGTGGACCTTAATGGAACTTGTCCAGTTCAGTCAAG	1538
Db	1404	ATAGCACCGTGAATGAGTGAAGTGAAGTGGACCTTAATGGAACTTGTTCAGTTCAGTCAAG	1465
OY	1537	CCGTGAGCAACCAATTAACCTCCAGTGGCCACTACAGATATCACACCGTGCATTAAGATT	1596
Db	1464	CCGTGAGCAACCAATTAACCTCCAGTGGCCACTCCAGTATCACACCGTGCATTAAGATT	1522
OY	1597	CCGGCTGTACAAAGAGCTACTCCATTAATTACATCTTGGCAAGGTGGAGATTGCAATGG	1656
Db	1524	CCGGCTGTACAAAGAGCTACTCCATTAATTACATCTTGGCCAAAGTGGAGATTGCAATGG	1583
OY	1657	GAGACTCCGGGACAAACCCCTTAAGGGGCAATTAATAGCTAATCTCTAATCCATGGCAA	1716
Db	1584	GAGACTCCGGGACAAACCCCTTAAGGGGCAATTAATAGCTAATCTCTAATCCATGGCAA	1643
OY	1717	TATGTGCATGCTCTGTGATTCATTTCCGTGCCAAAGAGGTGAACAGAAAGGCGAGAA	1776
Db	1644	TATGTGCATGCTCTGTGATTCATTTCCGTGCCAAAGAGGTGAACAGAAAGGCGAGAA	1703
OY	1777	TGGAAGCTGACATGGCTTAATGACAGCTCCAAAGAACGAATTCGAATGACAGTTACA	1836
Db	1704	TGGAAGCTGACATGGCTTAATGACAGCTCCAAAGAACGAATTCGAATGACAGTTACA	1763
OY	1837	CCAATTACTGGAATGCTGTGTCTGACCTTCACTGAGACTCGAATCGAATGACATGAGTGCA	1896
Db	1764	CCAATTACTGGAATGCTGTGTCTGACCTTCACTGAGACTCGAATCGAATGACATGAGTGCA	1822
OY	1897	AGGACAGATGAGTCTAGTGAACAGAAAGGAATTAATGCTCTCTAGAAAGATGATATG	1956
Db	1824	AGGACAGATGAGTCTAGTGAACAGAAAGGAATTAATGCTCTCTAGAAAGATGATATG	1883
OY	1957	ACCAGATTAAGCTGGAAGTCTCTCTCTTCCAGTTCTTGAAGATCTTACAGCTGCT	2016
Db	1884	ACCAGATTAAGCTGGAAGTCTCTCTCTTCCAGTTCTTGAAGATCTTACAGCTGCT	1943
OY	2017	TTGGGTCAATTCGCCATGTGTGGCAATACGTAACATAGCAATTGGGCTCTGGTGTCTT	2076
Db	1944	TTGGGTCAATTCGCCATGTGTGGCAATACGTAACATAGCAATTGGGCTCTGGTGTCTT	2003

QY	2077	TATATTTGGTTATGACACAGAGATGTTTCTTAAAGTGGCAACACATATAGGCTC	213.6
Db	2004	TATATTTGGTTATGACACAGAGATGTTTCTTAAAGTGGCAACACATATAGGCTTC	206.3
QY	2137	TACTCTATGAGTGTTGGTATCTGTGTGGTCTGTGGGTTTGGGGAAGAGTTATCC	219.6
Db	2064	TACTCTATGAGTGTTGGTATCTGTGTGGTCTGTGGGTTTGGGGAAGAGTTATCC	212.3
QY	2197	AGACCATGGGAAGGATTTGACACCGATACACCTCTAGTGGCTTCAATTTGACTGG	225.6
Db	2124	AGACCATGGGAAGGATCTGACACCGATACACCTCTAGTGGCTTCAATTTGACTGG	218.3
QY	2257	CATCGCCCTCACTGTGGTGAATTGATTAATATGGGCTTCCATCTAGTCAACACATT	231.6
Db	2184	CATCGCCCTCACTGTGGTGAATTAATATATGGGCTTCCATCTAGTCAACACATT	224.3
QY	2317	GTAAGTGGGCTGTGTGTGTGTGGCTGGCTCCGCTCCAGAGAGGCTTTGACTGGC	237.6
Db	2244	GTAAGTGGGCTGTGTGTGTGTGTGGCTGGCTCCGCTCCAGAGAGGCTTTGACTGGC	230.3
QY	2377	GTTCTTTTGTGAACATTTTATATGGCTGTGTGTGACAGTCCCATTTCTGAGTTATCA	243.8
Db	2304	GTTCTTTTGTGAACATTTTATATGGCTGTGTGTGACAGTCCCATTTCTGAGTTATCA	235.3
QY	2437	GTCGTGCATCATGGCCATTTTCAGATATGTCAATCTCAGAAATGGAAGCTTTGAGAT	249.8
Db	2364	GTCGTGCATCATGGCCATCTTCAGATATGTCAATCTCAGAAATGGAAGCTTTGAGAT	242.3
QY	2497	TAAATTTGTGTCAATGTTTGGGACATCTTAGGATTTCTGCTCCCTGGAAGATGAT	255.6
Db	2424	TAAATTTGTGTCAATGTTTGGGACATCTTAGGATTTCTGCTCCCTGGAAGATGAT	248.3
QY	2557	ACAGTGTTACAGAGACTGACAGAGTCTTTTATTTTGGAGCCAGAGAGGAGTGT	261.6
Db	2484	ACAGTGTTACAGAGACTGACAGAGTCTTTTATTTTGGAG-CAAGAGAGGAGTGT	254.2
QY	2617	TACTTGTCTATTAAGCTTTTGTGTCTAAATATGTAATGTCTCAAAATTAAGTGTATA	267.8
Db	2543	TACTTGTCTATTAAGCTTTTGTGTCTAAATATGTAATGTCTCAAAATTAAGTGTATA	260.2
QY	2677	ATAGCCGGGGTCCAGCTGGCTCCGTGAGGTCCTTCCCTCTGGGCTGGAATTCCT	273.8
Db	2603	ATAGCCGGGGTCCAGCTGGCTCCGTGAGGTCCTTCCCTCTGGGCTGGAATTCCT	266.2
QY	2737	GTACATATTTCTACTTTTGTATCAGGCTTCAATTCATATATGTTTAAATGTGTCTC	279.8
Db	2663	GTACATATTTCTACTTTTGTATCAGGCTTCAATTCATATATGTTTAAATGTGTCTC	272.2
QY	2797	TGAGATGAATTTGATTTTTTTTCTTTTTTAAACATGAGAGCCGTTTGAAGAG	285.8
Db	2723	TGAGATGAATTTGATTTTTTTTCTTTTTTAAACATGAGAGCCGTTTGAAGAG	278.2
QY	2857	CATGCTCGCGTGTGTGGTTCCACAGGCTCGCCCTACATGACAGGAAATTTAACAC	291.8
Db	2783	CATGCTCGCGTGTGTGGTTCCACAGGCTCGCCCTACATGACAGGAAATTTAACAC	284.2
QY	2917	AAAAATATTAACACTTCCCTTGTAGTCTTATATAGTAGAGTCCCTTGTAAGTCTG	297.8
Db	2843	AAAAATATTAACACTTCCCTTGTAGTCTTATATAGTAGAGTCCCTTGTAAGTCTG	290.2
QY	2977	CCCTCTGTAGTAGTGACAGATCTATTTGGGAGCTTCTTAAGGAGTAG	303.8
Db	2903	CCCTCTGTAGTAGTGACAGATCTATTTGGGAGCTTCTTAAGGAGTAG	296.2
QY	3037	GTTCTTTGACACAGTGAATAATTTAAATTAAGTATTTTGGACAGCTTATGACTG	309.8
Db	2963	GTTCTTTGACACAGTGAATAATTTAAATTAAGTATTTTGGACAGCTTATGACTG	302.2
QY	3097	TTATTGCTTAAGAGAGTAAAGAAAGAAAGAGCTGTGGCAATCTTGTTATTTCTTTAA	315.6
Db	3023	TTATTGCTTAAGAGAGTAAAGAAAGAAAGAGCTGTGGCAATCTTGTTATTTCTTTAA	308.8

QY	3157	GATTCTGGCAGTGTGGATGTGATGAATGAATGAACTTGGGCAAGTTAAAT	3216
DB	3083	GATTCTGGCAGTGTGGATGTGATGAATGAATGAACTTGGGCAAGTTAAAT	3142
QY	3217	GGAGAGCGCTTCATGTTCTATTTGCTTACCTCTTAACTGAATATAAAGCTTACAGTTT	3276
DB	3143	GGAGAGCGCTTCATGTTCTATTTGCTTACCTCTTAACTGAATATAAAGCTTACAGTTT	3202
QY	3277	TAGAAAAA 3285	
DB	3203	TAGAAAAA 3211	
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US-09-954-531-356			
Sequence 356, Application US/09954531			
Patent No. US20202165180A1			
GENERAL INFORMATION:			
APPLICANT: Weaver, Joe			
TITLE OF INVENTION: Process for Identifying Anti-Cancer Therapeutic Agents Using Cancer			
FILE REFERENCE: 689290-77			
CURRENT APPLICATION NUMBER: US/09/954,531			
CURRENT FILING DATE: 2002-05-02			
PRIOR APPLICATION NUMBER: US/60/233,133			
PRIOR FILING DATE: 2000-09-18			
PRIOR APPLICATION NUMBER: US/60/234,009			
PRIOR FILING DATE: 2000-09-20			
PRIOR APPLICATION NUMBER: US/60/234,034			
PRIOR FILING DATE: 2000-09-20			
PRIOR APPLICATION NUMBER: US/60/234,509			
PRIOR FILING DATE: 2000-09-22			
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PRIOR FILING DATE: 2000-09-22			
NUMBER OF SEQ ID NOS: 1392			
SOFTWARE: PatentIn version 3.0			
SEQ ID NO 356			
LENGTH: 3220			
TYPE: DNA			
ORGANISM: Homo sapiens			
US-09-954-531-356			
QY	Query Match	96.5%; Score 3175.2; DB 10; Length 3220;	
DB	Best Local Similarity	99.8%; Pred. No. 0;	
QY	Matches 3182; Conservative	0; Mismatches 6; Indels 1; Gaps 1;	
QY	97	CGGAGCCGGGCGGTGGCCCGGCTCCAGCGCGTGGCGGCTGATCTCTCCCG	156
DB	24	CGGAGCCGGGCGGTGGCCCGGCTCCAGCGCGTGGCGGCTGATCTCTCCCG	83
QY	157	CTCCGCCCTCCCTTTCCTCGATGAATGACGTCCTTCTCTTCTCCGCGATGATTC	216
DB	84	CTCCGCCCTCCCTTTCCTCGATGAATGACGTCCTTCTCTTCTCCGCGATGATTC	143
QY	217	TGCTCCGTCCTTTAGCCCTCTGAGCCAAAGAAACCCGACACAGATGCCATAGC	276
DB	144	TGCTCCGTCCTTTAGCCCTCTGAGCCAAAGAAACCCGACACAGATGCCATAGC	203
QY	277	AGCGTATAGCATTAATCCCGACGCTGGTTCTGTGCGGATGATTAAGTATTAATTT	336
DB	204	AGCGTATAGCATTAATCCCGACGCTGGTTCTGTGCGGATGATTAAGTATTAATTT	263
QY	337	AATATATATATATATTTATTTATATAGCATTTTGTATACCTCATATTTCTTTACATCTT	396
DB	264	AATATATATATATATTTATTTATATAGCATTTTGTATACCTCATATTTCTTTACATCTT	323
QY	397	GAAAGCGCTCAGTAGTCTTACTTAACAAACACTACTCCAGAGATGCGAAGCGTGA	456
DB	324	GAAAGCGCTCAGTAGTCTTACTTAACAAACACTACTCCAGAGATGCGAAGCGTGA	383
QY	457	TTACAGATATACAGTGTCTACCGCGCTTCTGTGCTTTGTGTGATTAAGTATGATGC	516
DB	384	TTACAGATATACAGTGTCTACCGCGCTTCTGTGCTTTGTGTGATTAAGTATGATGC	443

OY	517	TCATCCGGGGCTCAATTATATGCAATTTGGCTTGGCAATTCCTCGTGGAGGCCAATATATGAG	576
Db	4444	TCATCTGGGGCTCAATTATATGCAATTTGGCTTGGCAATTCCTCGTGGAGGCCAATATATGAG	503
OY	577	CAAAATCTTTTGTGATACAGCTGTGGGCTCAGGCTGTATGATGACCCCTGAAGCAAGCTGCATCC	636
Db	504	CAAAATCTTTTGTGATACAGCTGTGGGCTCAGGCTGTATGATGACCCCTGAAGCAAGCTGCATCC	563
OY	637	TAGCTATGCACTTTTGAAAACAGTGGGCTCTGTCTTACTGTGGGGCCAAAGTAGCGAAAACA	696
Db	564	TAGCTATGCACTTTTGAAAACAGTGGGCTCTGTCTTACTGTGGGGCCAAAGTAGCGAAAACA	623
OY	697	TCCGGAAGGGCTTGATATGACGTGAGATGTATCAACTGCACCTCAAGGGGTATCTGATGGCCG	756
Db	624	TCCGGAAGGGCTTGATATGACGTGAGATGTATCAACTGCACCTCAAGGGGTATCTGATGGCCG	683
OY	757	GCTCAGTCAGTCTATGTGTTGGTCTCTGCTGTGTGGCAACTGTGGCTTCGTTTTGAAAGC	816
Db	684	GCTCAGTCAGTCTATGTGTTGGTCTCTGCTGTGTGGCAACTGTGGCTTCGTTTTGAAAGC	743
OY	817	TCCCATTTCTTGGAACCCATGTATATGTTGGAGCAACTATGTGTTCTCCCTCGTGGCA	876
Db	744	TCCCATTTCTTGGAACCCATGTATATGTTGGAGCAACTATGTGTTCTCCCTCGTGGCA	803
OY	877	AGGGGACAGAGGGGTCTCAAGTGTCTGAACTGATATAAAATTTGTATGTCTTGTCTGT	936
Db	804	AGGGGACAGAGGGGTCTCAAGTGTCTGAACTGATATAAAATTTGTATGTCTTGTCTGT	863
OY	937	CCCCACTGCTTTCTTGGAATATATGTCTGGAATTTATTTCTTCTGGTGTGTGCATTCAC	996
Db	864	CCCCACTGCTTTCTTGGAATATATGTCTGGAATTTATTTCTTCTGGTGTGTGCATTCAC	923
OY	997	TCCATTAAGGACAGATCAGTCTCTTAATGGTTTGGCGCTTGTSCAGTTTCTATGCTGCA	1056
Db	924	TCCATTAAGGACAGATCAGTCTCTTAATGGTTTGGCGCTTGTGTGCACTTTCTATGTCTGCA	983
OY	1057	CAGTTGAATAAACCTCTTTTTCATCATGTATACTGAGAACCGTGTGCTGGGCTTTGACA	1116
Db	984	CAGTTGAATAAACCTCTTTTTCATCATGTATACTGAGAACCGTGTGCTGGGCTTTGACA	1043
OY	1117	AACCTTCCCTGTGGGGGTACCAATCCCATCTGGTGGGATGTGCAAGTTTCTGTGCCCCCTA	1176
Db	1044	AACCTTCCCTGTGGGGGTACCAATCCCATCTGGTGGGATGTGCAAGTTTCTGTGCCCCCTA	1103
OY	1177	TCGTCTGTGTTCTTTGTATGTCCACAGATGAGAGAAAATTGAAACGAGAAATAAAGTGT	1236
Db	1104	TCGTCTGTGTTCTTTGTATGTCCACAGATGAGAGAAAATTGAAACGAGAAATAAAGTGT	1163
OY	1237	GTCTTTCTGAAAAGCCCCCTTAATGAAAAAAGATAGCTTGAAAAGAGACATGAGAAA	1296
Db	1164	GTCTTTCTGAAAAGCCCCCTTAATGAAAAAAGATAGCTTGAAAAGAGACATGAGAAA	1223
OY	1297	CAAAATTTGTCTGTTGGTATATTTGAAAACAAGCACTCGTTTCTGAGGTAGGGCTGCA	1356
Db	1224	CAAAATTTGTCTGTTGGTATATTTGAAAACAAGCACTCGTTTCTGAGGTAGGGCTGCA	1283
OY	1357	CTGTGCCCCCTCCAGGCTGTGGTGTGAGAGAGAAAGTCTCATTTCAAACTTGAAGATTTGG	1416
Db	1284	CTGTGCCCCCTCCAGGCTGTGGTGTGAGAGAGAAAGTCTCATTTCAAACTTGAAGATTTGG	1343
OY	1417	AGGAAGCTTCCAGAGAGAGAGAGGCTTCCACACGTGGAATTGAAAAGAGAAAACAGCAATG	1476
Db	1344	AGGAAGCTTCCAGAGAGAGAGAGGCTTCCACACGTGGAATTGAAAAGAGAAAACAGCAATG	1403
OY	1477	ATAGCAACCGTGAATGTGTCAGTGCACTGTCTTAATGGAACTTGTCCAGTTCACTCAAG	1536
Db	1404	ATAGCAACCGTGAATGTGTCAGTGCACTGTCTTAATGGAACTTGTCCAGTTCACTCAAG	1463
OY	1537	CCGTAGAGCAACCAATAAATCTTCAATGGGCCATACCACTATACACCGTGTATTAAGATTT	1596
Db	1464	CCGTAGAGCAACCAATAAATCTTCAATGGGCCATCTCCCACTATACACCGTGTATTAAGATTT	1523

QY	1597	CCGCGCCGTACAAAGAGCTACCTCAATTAATTCATCTTGGCCAAAGGTGGGAATTCGATGG	1656
Db	1524	CCGGCCGTACAAAGAGCTACCTCAATTAATTCATCTTGGCCAAAGGTGGGAATTCGATGG	1583
QY	1657	GAGACTCCGGTGCAAACCCCTTAAGGCGCAATAATAGCTATCTCTCTATACATGGCA	1716
Db	1584	GAGACTCCGGTGCAAACCCCTTAAGGCGCAATAATAGCTATCTCTCTATACATGGCA	1643
QY	1717	TATGTGGCATGCTCTGGATTCAATTCGTGCCAAGAAAGTGCACAGAGGCGAGAA	1776
Db	1644	TATGTGGCATGCTCTGGATTCAATTCGTGCCAAGAAAGTGCACAGAGGCGCGAGAA	1703
QY	1777	TGAGAGAGCTGAATGAGCCCTAATGCAATCCCAAGACGAATTCGAATGACAGTTACA	1836
Db	1704	TGAGAGAGCTGAATGAGCCCTAATGCAAGCTCCAGAGAGGAATTCGAATGACAGTTACA	1763
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QY	1957	ACCAGGATTAAGCCTGAAAGTCTCTCTCTCTTCAGAGTCTCTGAGATCCTTACAGCTGCT	2016
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QY	2017	TTGGGTCATTCGCGCCATGGTGGCAATGACGTAAAGCAATGGAGCTCGGTGGTCTT	2076
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QY	2077	TATATTTGGTTTATGACACAGAGATGTTCTTCAAAAGTGGCAACACAAATATGGCTTC	2136
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Db	2064	TACTCTATGAGTGTTGGTATCTGTGTGTGTGTGTGGGTTGGGGAAGAAAGTTATCC	2123
QY	2197	AGACCAATGGGGAAGATCTGACACCGATCACACCCCTAGTGGGCTTCAGTATTGAATCGG	2256
Db	2124	AGACCAATGGGGAAGATCTGACACCGATCACACCCCTAGTGGGCTTCAGTATTGAATCGG	2183
QY	2257	CATCTGCCCCATCTGTGTGATTTGCATCAAAATATTTGGCCTTCCCATCAGTACAAACATTT	2316
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QY	2317	GTAAGTGGGCTCTGTTGTGTGTGTGTGGCTCGCTCCGTCGAAGAGGCTGTGACTGGC	2376
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Db	2304	GTCCTTTGCTAACATTTTATGAGCCGTGGTTGTGCACAGTCCCAATTTCTGAGTTATCA	2363
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Db	2364	GTCGTGCATCATGAGCAATCTTCAGATATGTATCATCTCCAGAAATGAGACTGTTTGAGAT	2423
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Db	2424	TAAAAATTTGTGCATGTTTGGGACCATCTTAAGTATTCGTGCTCCCTGAGAAATGATTT	2483
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Db	2484	ACAGTGTTAACAGAAACTGCACAGAGTCTTTTATTTGGAGC-CAGAGAGGGAAGTGT	2542
QY	2617	TACTGTGTCATAACATGCTTTTGTGTAAATATGAAATGTCTCAAAATTTAGCTGTATA	2676
Db	2543	TACTGTGTCATAACATGCTTTTGTGTAAATATGAAATGTCTCAAAATTTAGCTGTATA	2602
QY	2677	ATAGCCCCGGGTCACTGGCTCTCTGAGGTCCCTTTCCTTGTGGCTGTGAATTCCT	2736

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Qy 3277 TAGAAAAA 3285
Db 3203 TAGAAAAA 3211

RESULT 6
US-10-314-790-2
Sequence 2, Application US/10314790
Publication No. US20040002079A1
GENERAL INFORMATION:
APPLICANT: EMORY UNIVERSITY
Gunn, Robert B.
TITLE OF INVENTION: SODIUM-PHOSPHATE COTRANSPORTER IN
LITHIUM THERAPY FOR THE TREATMENT OF MENTAL ILLNESS
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
ADDRESSEE: Kilpatrick Stockton LLP
STREET: Suite 2800, 1100 Peachtree Street NE
CITY: Atlanta
STATE: GA
COUNTRY: USA
ZIP: 30309-4530
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/314,790
FILING DATE: 09-Dec-2002
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/380,164

FILING DATE: <Unknown>
APPLICATION NUMBER: PCT/US98/02875
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Meredith, Roy D.
REGISTRATION NUMBER: 30,777
TELECOMMUNICATION INFORMATION:
TELEPHONE: (404) 815-6500
TELEFAX: (404) 815-6555
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 3220 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: mRNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
FEATURE:
NAME/KEY: hplc-1
LOCATION: 1..3220
OTHER INFORMATION: /product= "Leukemia Virus Receptor 1"
PUBLICATION INFORMATION:
DOCUMENT NUMBER: US 5,414,076 P
SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-10-314-790-2
Query Match 96.5%; Score 3175.2; DB 12; Length 3220;
Best Local Similarity 99.8%; Pred. No. 0;
Matches 3182; Conservative 0; Mismatches 6; Indels 1; Gaps 1;
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Db 24 CCGGCGCGTCCGCGTGGCGCGTGCAGCGCGCTGCGCTGATCTCTGCTCCGCG 83
Qy 157 CTCGCGCTCTCCCTTTTCCCTGATGATGACTTGGCTCTTCTCTTCCGCAATTC 216
Db 84 CTCGCGCTCTCCCTTTTCCCTGATGATGACTTGGCTCTTCTCTTCCGCAATTC 143
Qy 217 TGCTCCGCTTTTAAACCTCCCTGAGCCCAAGAAACCCAGACAGATGCCATACGC 276
Db 144 TGCTCCGCTTTTAAACCTCCCTGAGCCCAAGAAACCCAGACAGATGCCATACGC 203
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Db 204 AGCGATAGCAGTAATCCCCAGCTCGTTCGTGCGGTATTTACATATTTT 263
Qy 337 ATATTAATATATATTTATTTATGATGATTTTGTATCTGATATTTCTTTTACATCTT 396
Db 264 ATATTAATATATATTTATTTATGATGATTTTGTATCTGATATTTCTTTTACATCTT 323
Qy 397 GAAAGCGCTCAGTAGTCTTACTTAAACAACCACTACTCCAGAGATGCAAGCGTGA 456
Db 324 GAAAGCGCTCAGTAGTCTTACTTAAACAACCACTACTCCAGAGATGCAAGCGTGA 383
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Db 384 TTACAGTACTACAGCTGCTACCGCGCTTCTGCTGTTGTGATGATGATGATGATG 443
Qy 517 TCATCTGGGCTTCATTTATGATTTGTGCTTGGCATTTCTCCGTGGAGCCATGATG 576
Db 444 TCATCTGGGCTTCATTTATGATTTGTGCTTGGCATTTCTCCGTGGAGCCATGATG 503
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Db 504 CAATTTCTTTTGTATACAGCTGCGGCTCAGGTGTAGTGAACCCGGAAGCAAGCCGATCC 563
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Db 564 TAGCTAGCATCTTTGAAACAGTGGGCTGTCTTACTGCGGGGCAAGATGAGGAAACA 623
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Db 744 TCCCTATTTCTGGAACCCATTTGATTTGTTGGTCAACTATATGTTTCTCCCTGCGGCAA 803
QY 877 AGGGGAGAGAGGGTGTCAAGTGTCTGAACTGATTAATAATTGATGTCCTTGGTTGGTGT 936
Db 804 AGGGGAGAGAGGGTGTCAAGTGTCTGAACTGATTAATAATTGATGTCCTTGGTTGGTGT 863
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Db 1164 GTCTTCTGAAAGCCCTTATATGAAAGAAATAGCTTGAAGAAAGACCATGAAGAA 1223
QY 1297 CAAGTTGCTGTTGGGATTAATGAAGAAAGAGATCTGTTCTGAGGTAGGGCCCTGCA 1356
Db 1224 CAAGTTGCTGTTGGGATTAATGAAGAAAGAGATCTGTTCTGAGGTAGGGCCCTGCA 1283
QY 1357 CTGTGCCCCCTCAAGGCTGTGTGGAAGAGAAACAGTCTCAATCAAACTTGGAGATTTGG 1416
Db 1284 CTGTGCCCCCTCAAGGCTGTGTGGAAGAGAAACAGTCTCAATCAAACTTGGAGATTTGG 1343
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QY 1957 ACCAGATTAAGCTGAAAGTCTCTCTCTTCCAGATTCCTGAGATCTTACAGCTGCT 2016
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QY 2857 CATGCTGTGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 2916
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DB 3203 TAGAAAAA 3211

RESULT 7

US-10-021-660-3
; Sequence 3, Application US/10021660
; Publication No. US20030152926A1
; GENERAL INFORMATION:
; APPLICANT: Murray, Richard
; APPLICANT: Glynn, Richard
; APPLICANT: Watson, Susan R.
; APPLICANT: EOS Biotechnology, Inc.
; TITLE OF INVENTION: No. US20030152926A1 Methode of Diagnosis of Angiogenesis,
; TITLE OF INVENTION: Compositions and Methods of Screening for Angiogenesis
; FILE REFERENCE: 018501-000710US
; CURRENT APPLICATION NUMBER: US/10/021,660
; PRIOR FILING DATE: 2001-12-06
; PRIOR APPLICATION NUMBER: US/09/784,356
; PRIOR FILING DATE: 2001-02-14
; PRIOR APPLICATION NUMBER: US 09/637,977
; NUMBER OF SEQ ID NOS: 135
; SOFTWARE: PatSeq for Windows Version 3.0
; SEQ ID NO 3
; LENGTH: 3220
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-021-660-3

Query Match 96.5%; Score 3175.2; DB 13; Length 3220;
Best Local Similarity 99.8%; Pred. No. 0;
Matches 3182; Conservative 0; Mismatches 6; Indels 1; Gaps 1;

QY 97 CCGACCGGGGCGGTGCGGTGCTCAGCGCGTGGCGGCTCGATCCCTCGCTCCCG 156
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1837 CCACTTACTGCAATGCTGTGTCTGACCTTCACTCAGCATCTGAGATGAGCATGAGTCA 1896
1764 CCACTTACTGCAATGCTGTGTCTGACCTTCACTCAGCATCTGAGATGAGCATGAGTCA 1823
1897 AGGCAAGATGAGTGTCTGAGTGAACAGAAAGAAATAGCTCTTGAAGAAATGATG 1956
1824 AGGCAAGATGAGTGTCTGAGTGAACAGAAAGAAATAGCTCTTGAAGAAATGATG 1883
1957 ACCAGATTAAGCTGAGTGTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 2016
1884 ACCAGATTAAGCTGAGTGTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 1943
2017 TTGGGTCATTCGCGCAATGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGT 2076
1944 TTGGGTCATTCGCGCAATGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGT 2003
2077 TATATTTGTTTATGACACAGAGATGTTCTTCAAAAGTGCACACCAATATGCTTC 2136
2004 TATATTTGTTTATGACACAGAGATGTTCTTCAAAAGTGCACACCAATATGCTTC 2063
2137 TACTCTATGAGT 2196
2064 TACTCTATGAGT 2123
2197 AGACCATGGGGAAGATCTGACACCATCAACCTCTAGTGGCTCAGATATGAATG 2256
2124 AGACCATGGGGAAGATCTGACACCATCAACCTCTAGTGGCTCAGATATGAATG 2183
2257 CATCTCCCTCACTGT 2316
2184 CATCTCCCTCACTGT 2243
2317 GTAAAGTGGGCTGT 2376
2244 GTAAAGTGGGCTGT 2303
2377 GTCTCTTGTATCAATTTTATAGGCGGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 2436
2304 GTCTCTTGTATCAATTTTATAGGCGGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 2363
2437 GTCTCTTGTATCAATTTTATAGGCGGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 2496

2364 GTCTCCCATCATGCGCAATCTTCAGATATGTCATCTCAGAAATGAGCTTTGAGAT 2423
2497 TAAATTTGTGCAATGTTTGGACCATCTTAGATTCCTGCTCCCTGGAAGATGAT 2556
2424 TAAATTTGTGCAATGTTTGGACCATCTTAGATTCCTGCTCCCTGGAAGATGAT 2483
2557 ACAGTGTAAACAGAAAGTGAACAAGAGTCTTTTATTTGGAGCCAGAGAGGAGATGT 2616
2484 ACAGTGTAAACAGAAAGTGAACAAGAGTCTTTTATTTGGAGG-CAGAGAGAGGAGTGT 2542
2617 TACTGTGTATTAATCTGCTTTTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 2676
2543 TACTGTGTATTAATCTGCTTTTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 2602
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2603 ATAGCCCGGGTTCACCTGCTCTGTGAGGCCCCCTTCTTGGGCTGGAATTCCT 2662
2737 GTACATATTTCTCTATCTTTTGTATCAGGCTTCAATTCATTAATGTTTATGTTCTC 2796
2663 GTACATATTTCTCTATCTTTTGTATCAGGCTTCAATTCATTAATGTTTATGTTCTC 2722
2797 TGAAGATGACTGTGATTTTCTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTT 2856
2723 TGAAGATGACTGTGATTTTCTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTT 2782
2857 CAGTCTGCGGT 2916
2783 CAGTCTGCGGT 2842
2917 AAAAATATTAACATAACCTTCCCTGTAGTCTCTTATATATAGTGAATGCTTGTGACTGT 2976
2843 AAAAATATTAACATAACCTTCCCTGTAGTCTCTTATATATAGTGAATGCTTGTGACTGT 2902
2977 CCCTCTGTCAATGAGTGAAGTCTTATTTGGCAATTTGGGAGCTTCTTAAAGGAGTGA 3036
2903 CCCTCTGTCAATGAGTGAAGTCTTATTTGGCAATTTGGGAGCTTCTTAAAGGAGTGA 2962
3037 GTTCTTTGAACACAGTGAATAATTAATTAATTAATTAATTAATTAATTAATTAATTA 3096
2963 GTTCTTTGAACACAGTGAATAATTAATTAATTAATTAATTAATTAATTAATTAATTA 3022
3097 TTATTGCTAAGAAAGTGAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAG 3156
3023 TTATTGCTAAGAAAGTGAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAG 3082
3157 GATTTCTGCACTGTGTGAGTGAATGAATGAATGAATGAATGAATGAATGAATGAATGA 3216
3083 GATTTCTGCACTGTGTGAGTGAATGAATGAATGAATGAATGAATGAATGAATGAATGA 3142
3217 GGGACAGCTTGCATGTTCTATTTGTCTACTCTTAACTGAAATTAATTAATTAATTAAT 3276
3143 GGGACAGCTTGCATGTTCTATTTGTCTACTCTTAACTGAAATTAATTAATTAATTAAT 3202
3277 TAGAAAAA 3285
3203 TAGAAAAA 3211

RESULT 8
US-09-873-367C-694
Sequence 694, Application US/09873367C
Publication No. US20030165839A1
GENERAL INFORMATION:
APPLICANT: Young, Paul
APPLICANT: Soppet, Daniel
APPLICANT: Andrews, Gregory
APPLICANT: Augustus, Meena
APPLICANT: Ebner, Reinhard
APPLICANT: Carter, Kenneth
TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using
FILE REFERENCE: 689290-64

CURRENT APPLICATION NUMBER: US/09/873,367C
CURRENT FILING DATE: 2003-04-29
PRIOR APPLICATION NUMBER: U.S. 60/236,891
PRIOR FILING DATE: 2000-09-29
PRIOR APPLICATION NUMBER: U.S. 60/236,842
PRIOR FILING DATE: 2000-09-29
PRIOR APPLICATION NUMBER: U.S. 60/244,867
PRIOR FILING DATE: 2000-11-01
PRIOR APPLICATION NUMBER: U.S. 60/245,084
PRIOR FILING DATE: 2000-11-01
NUMBER OF SEQ ID NOS: 1067
SOFTWARE: PatentIn version 3.0
SEQ ID NO: 694
LENGTH: 3220
TYPE: DNA
ORGANISM: Homo sapiens
US-09-873-367C-694

Query Match 96.5%; Score 3175.2; DB 13; Length 3220;
Best Local Similarity 99.8%; Pred. No. 0;
Matches 3182; Conservative 0; Mismatches 6; Indels 1; Gaps 1;

QY 97 CCGAGCCGGGCGGTGCGCCGCTGAGCCGCGCTGAGATCTCTGCTCCG 156
DB 24 CCGGGCCGTCGCGTGTGCGCGTGCAGCGCGCTGAGATCTCTGCTCCG 83
QY 157 CTCGCGCCCTCCCTTCCCGTGAAGAACTTGGCTCTCTCTCCGCGATGAATTC 216
DB 84 CTCGCGCCCTCCCTTCCCGTGAAGAACTTGGCTCTCTCTCCGCGATGAATTC 143
QY 217 TGGTCCGTGCTTTAGCCCTCTGAGCCAAAGAAACCCAGACAAAGATGCCATAGC 276
DB 144 TGTCTCGTCTTTAGCCCTCTGAGCCAAAGAAACCCAGACAAAGATGCCATAGC 203
QY 277 AGCGATATGACATGACTCCCAAGCTCGCTTCTGTCGCGTATGATTAATTTT 336
DB 204 AGCGATATGACATGACTCCCAAGCTCGCTTCTGTCGCGTATGATTAATTTT 263
QY 337 ATATTAAT 396
DB 264 ATATTAAT 323
QY 397 GAAAGGCGCTCAGTATGCTCTTAAACAACAACACTACTCAGAGAGATGGCAACGCTGA 456
DB 324 GAAAGGCGCTCAGTATGCTCTTAAACAACAACACTACTCAGAGAGATGGCAACGCTGA 383
QY 457 TTACAGTACTACAGCTGCTACCGCGCTCTGTCTCTTGTGTGAGTACTATGATGC 516
DB 384 TTACAGTACTACAGCTGCTACCGCGCTCTGTCTCTTGTGTGAGTACTATGATGC 443
QY 517 TCATCCCTGGCTTCAATATGCAATTTTCTTGGCAATCTCCGCGGAGCAATGATAG 576
DB 444 TCATCCCTGGCTTCAATATGCAATTTTCTTGGCAATCTCCGCGGAGCAATGATAG 503
QY 577 CAAATTTCTTTGGTACAGCTGTGGGCTCAGGTGATGACCTCTGAACCAAGCTGCATCC 636
DB 504 CAAATTTCTTTGGTACAGCTGTGGGCTCAGGTGATGACCTCTGAACCAAGCTGCATCC 563
QY 637 TAGCTAGCATTTTGAACAGTGGGCTCTGTCTTACTGCGGGGCAAAAGTAGCAAAACA 696
DB 564 TAGCTAGCATTTTGAACAGTGGGCTCTGTCTTACTGCGGGGCAAAAGTAGCAAAACA 623
QY 697 TCCGGAAGGGCTTATGACCTGAGATGTAACAATGCACTCAAGGGCTACTGATGCCG 756
DB 624 TCCGGAAGGGCTTATGACCTGAGATGTAACAATGCACTCAAGGGCTACTGATGCCG 683
QY 757 GCTCAGTCAAGTATGATGTTGCTGTGCTGTGAGCAACTGCTGCTTCTGTTTGAAGC 816
DB 684 GCTCAGTCAAGTATGATGTTGCTGTGCTGTGAGCAACTGCTGCTTCTGTTTGAAGC 743
QY 817 TCCCTATTTCTGAACCAATGTAATGTTGTGCAACTATTTGTTCTCCCTGCTGCA 876
DB 744 TCCCTATTTCTGAACCAATGTAATGTTGTGCAACTATTTGTTCTCCCTGCTGCA 803

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DB 804 AGGGCAGAGGGGTGTCAAGTGTCTGAACATATAAAATGTGATGTTGTTGCTGT 863
QY 937 CCCCACTGCTTTCTGAATATATGCTGTGAATTTTATCTCTGCTGTCTGCAATTCATCC 996
DB 864 CCCCACTGCTTTCTGAATATATGCTGTGAATTTTATCTCTGCTGTCTGCAATTCATCC 923
QY 997 TCCATTAAGCAGATCCAGTTCCTAATGATTTGCGAGCTTGGCAGTTTCTAATGCTGCA 1056
DB 924 TCCATTAAGCAGATCCAGTTCCTAATGATTTGCGAGCTTGGCAGTTTCTAATGCTGCA 983
QY 1057 CAGTTGAATTAACCTCTTTTCATCATGTATATGAGCACCGCTTGTGGGCTTTGACA 1116
DB 984 CAGTTGAATTAACCTCTTTTCATCATGTATATGAGCACCGCTTGTGGGCTTTGACA 1043
QY 1117 AACTTCTCTGTGGGATACCATCTCTATCTCGGTGGAATGTCAGTTTCTGCGCCCTTA 1176
DB 1044 AACTTCTCTGTGGGATACCATCTCTATCTCGGTGGAATGTCAGTTTCTGCGCCCTTA 1103
QY 1177 TGGTCTGTTCTTTGTATGTCCAGGATGAGAAATAATGACAGAAATTAAGTGA 1236
DB 1104 TGGTCTGTTCTTTGTATGTCCAGGATGAGAAATAATGACAGAAATTAAGTGA 1163
QY 1237 GTCTCTGTGAAGCCCTTAATGAGAAATAATGATGAGAAAGCAATGAAGAA 1296
DB 1164 GTCTCTGTGAAGCCCTTAATGAGAAATAATGATGAGAAAGCAATGAAGAA 1223
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DB 1284 CTGTGCCCCCTCCAGGCTGTGTGTGAGAGAGAAACAGTCTCAATCACTTGAATTTGG 1343
QY 1417 AGGAAGCTCCAGAGAGAGAGAGGCTTCCAGCGTGAATTTGAAGAGAAACAGCATAG 1476
DB 1344 AGGAAGCTCCAGAGAGAGAGAGGCTTCCAGCGTGAATTTGAAGAGAAACAGCATAG 1403
QY 1477 ATAGCAACCTGGAATGTGTGACATGTCATATGAGAAACCTTGTCCAGTTCAAGTCAAG 1536
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DB 1464 CCGTCAAGCAACCAATTAATCCAGTGGCCACTACCAAGTATCACACGCTCATAGGAT 1523
QY 1597 CCGGCTGTACAAAGAGCTATCTCATTAATTAATTAATCTTGGCAAGTGGAGATTCATGG 1656
DB 1524 CCGGCTGTACAAAGAGCTATCTCATTAATTAATTAATTAATCTTGGCAAGTGGAGATTCATGG 1583
QY 1657 GAGACTCCGGTGAACAACCTTAAGGCGCAATATAGCTTACTTCTTAACAATGGCA 1716
DB 1584 GAGACTCCGGTGAACAACCTTAAGGCGCAATATAGCTTACTTCTTAACAATGGCA 1643
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DB 1644 TATGTGGCATGCTCTGATTAATCCGTGCGTGCAGAGAGGATGAACAGAGGCGAAGAA 1703
QY 1777 TGGAGAACTGATAGGCTTAATGACATCCAAAGAGCAATTTGAATGAACAGTTACA 1836
DB 1704 TGGAGAACTGATAGGCTTAATGACATCCAAAGAGCAATTTGAATGAACAGTTACA 1763
QY 1837 CCAAGTATCTGAATGCTGTGTCTGACCTTCACTCAGCATTTGAGATGACATGAGTCA 1896
DB 1764 CCAAGTATCTGAATGCTGTGTCTGACCTTCACTCAGCATTTGAGATGACATGAGTCA 1823
QY 1897 AGGCAAGATGGGTCTAAGTGAAGAAAGATATGCTCTCTAAGAAATGGTATG 1956
DB 1824 AGGCAAGATGGGTCTAAGTGAAGAAAGATATGCTCTCTAAGAAATGGTATG 1883

QY 544 TCTTGGCATCTCCGTTGGAGCCAAATGATATAGCAAAATCTTTTGGTACAGCTGTGGGCT 603
DB TCTTGGCATCTCCGTTGGAGCCAAATGATATAGCAAAATCTTTTGGTACAGCTGTGGGCT 240
QY 604 CAGGTGTATGACCCCTGTAAGCAAGCCCTGCAATCTTACGTACATCTTTGAAACAGTGGGCT 663
DB CAGGTGTATGACCCCTGTAAGCAAGCCCTGCAATCTTACGTACATCTTTGAAACAGTGGGCT 300
QY 664 CTGTCTTACTGAGGAGCCAAAGTGAAGCAACATCCGGAAGGCTTGAATGACGTGGAGA 723
DB CTGTCTTACTGAGGAGCCAAAGTGAAGCAACATCCGGAAGGCTTGAATGACGTGGAGA 360
QY 724 TGTACAACCTGACCTCAAGGGCTACTGATGGCCGGCTCAGTCAGTCTATGTGGTCTG 783
DB TGTACAACCTGACCTCAAGGGCTACTGATGGCCGGCTCAGTCAGTCTATGTGGTCTG 420
QY 784 CTGTGTGGCAACTGTGGCTTCTTTTGAAGCTCCCTATTTCTGGAACCCATTTGATTTG 843
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QY 844 TTGGTGCACATTTGGTTCTCCCTGGTGGCAAAAGGGGAGAGGGTGTCAAGTGTCTG 903
DB TTGGTGCACATTTGGTTCTCCCTGGTGGCAAAAGGGGAGAGGGTGTCAAGTGTCTG 540
QY 904 AACTGATMAAAATTTGTATGTCTTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 963
DB AACTGATMAAAATTTGTATGTCTTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 600
QY 964 GAATTTTATTTCTTGT 1023
DB GAATTTTATTTCTTGT 660
QY 1024 GTTTGGAGCTTGGCCAGTTTCTATAGCCCTGCAAGTGGATPAAACCTCTTTTCCATCA 1083
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QY 1084 TGTATATCTGAGACCCGTTGCTGGGCTTTTGACAAATCTCTGTGTGGGATACATCTCTCA 1143
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QY 1144 TCTGTGTGGATGTGCAAGTTTCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1203
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QY 1204 TGAAGAGAAAATTTGAACGAGAAATTAAGTATGCTCTTCTGAAAAGCCCTTAATGGAAA 1263
DB TGAAGAGAAAATTTGAACGAGAAATTAAGTATGCTCTTCTGAAAAGCCCTTAATGGAAA 900
QY 1264 AAAAGATATCTGTAAGAGAAAGCAATGATGATGATGATGATGATGATGATGATGATGAT 1323
DB AAAAGATATCTGTAAGAGAAAGCAATGATGATGATGATGATGATGATGATGATGATGAT 960
QY 1324 ACAAGCATCTGTTTCTGAGGTAGGCTCTGCACTGTGCCCCCTCAGGCTGTGTGGAGG 1383
DB ACAAGCATCTGTTTCTGAGGTAGGCTCTGCACTGTGCCCCCTCAGGCTGTGTGGAGG 1020
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DB AGAGAAAGTCTCACTTGAACCTTGGAGATTTGGAGAAAGCTCCAGAGAGAGAGAGGCTTC 1080
QY 1444 CCAAGCTGTGACTTGAAGAGAGAAACAGCATATGATGATGATGATGATGATGATGATGATG 1503
DB CCAAGCTGTGACTTGAAGAGAGAAACAGCATATGATGATGATGATGATGATGATGATGATG 1140
QY 1504 TGCCTAATGGGAACCTTGTCCAGTTCAAGTCAAGCCGTCAGCAACCAATTAATCTCCAGTG 1563
DB TGCCTAATGGGAACCTTGTCCAGTTCAAGTCAAGCCGTCAGCAACCAATTAATCTCCAGTG 1200
QY 1564 GCCACTACAGATACCAACCGTGTATAGATTTCCGGCTGTATCAAAAGAGTACTCCATA 1623
DB GCCACTACAGATACCAACCGTGTATAGATTTCCGGCTGTATCAAAAGAGTACTCCATA 1260
QY 1624 AATTACATCTTGGCAAGTGGAGATTTGATGGAGACTCCGATGACAAACCTTAAGGC 1683

DB 1261 AATTACATCTTGGCAAGTGGAGATTTGATGGAGACTCCGATGACAAACCTTAAGGC 1320
QY 1684 GCAATAATAGCTATATCTTCTATACCATGAGCAATATGTGGCATGCTCTGATTCATTC 1743
DB GCAATAATAGCTATATCTTCTATACCATGAGCAATATGTGGCATGCTCTGATTCATTC 1380
QY 1744 GTGCCAAGAGAGTGAACAGAAAGGCGAAGAAATGGAGAAAGCTGACATGAGCTTAATGCA 1803
DB GTGCCAAGAGAGTGAACAGAAAGGCGAAGAAATGGAGAAAGCTGACATGAGCTTAATGCA 1440
QY 1804 ACTCCAAAGAGCAATTTCCAAATGGAACATGATACCAAGTTAATGCTATGCTGTGACC 1863
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QY 1441 ACTCCAAAGAGCAATTTCCAAATGGAACATGATACCAAGTTAATGCTATGCTGTGACC 1500
DB ACTCCAAAGAGCAATTTCCAAATGGAACATGATACCAAGTTAATGCTATGCTGTGACC 1864
QY 1864 TTCACTCAGATCTGAGATAGACATGATGTCAAGGCAAGATGAGTCTAAGTACAGAA 1923
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QY 1501 TTCACTCAGATCTGAGATAGACATGATGTCAAGGCAAGATGAGTCTAAGTACAGAA 1560
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DB TCTTCAAGTTCTGCAATCTTACAGCTGCTTTGGGTCATTTGGGTCATTTGGGCAATG 1621
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QY 1741 TTTCTTCAAAAGTGGCAACCAATATGAGCTTCTACTATAGGTGTGTGTGTGTGTGTGT 2164
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DB TTGGTCTGTGGGTTTGGGAGAAAGTATTCAGACCAATGGGAAAGATCTGACACCGA 2224
QY 2224 TCACACCTCTATGAGCTTCAATTTGAACCTGSCATCTGCCCCCATGTGTGTATTTGAT 2283
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QY 1861 TCACACCTCTATGAGCTTCAATTTGAACCTGSCATCTGCCCCCATGTGTGTATTTGAT 1920
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QY 2284 CAATATTTGGCTTTCCCATCAGTACAAACATTTGAAGTGGGCTGTGTGTGTGTGTGT 2343
DB CAATATTTGGCTTTCCCATCAGTACAAACATTTGAAGTGGGCTGTGTGTGTGTGTGTGT 1921
QY 1921 CAATATTTGGCTTTCCCATCAGTACAAACATTTGAAGTGGGCTGTGTGTGTGTGTGT 2344
DB CAATATTTGGCTTTCCCATCAGTACAAACATTTGAAGTGGGCTGTGTGTGTGTGTGTGT 1981
QY 1981 GCTGGCTCCGGTCCAAAGAGGCTGTGACGTGGGCTCTTTTGTAAATTTTAATGGCT 2040
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QY 2404 GGTGTGTACAGTCCCATTTCTGAGATTATCAGTGTGSCATGAGCAATCTTCAAT 2463
DB GGTGTGTACAGTCCCATTTCTGAGATTATCAGTGTGSCATGAGCAATCTTCAAT 2041
QY 2041 GGTGTGTACAGTCCCATTTCTGAGATTATCAGTGTGSCATGAGCAATCTTCAAT 2464
DB GGTGTGTACAGTCCCATTTCTGAGATTATCAGTGTGSCATGAGCAATCTTCAAT 2101
QY 2101 ATGTCAATCCCAAAATGTAGAGCTTTGATTAATAATTTGTGTCAATTTTGGAGCA 2160
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DB TCTTATGATTTCTGCTCCCTGAAGATGATTAAGTGTAAACAGAACTGACAAAG 2161
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QY 2221 TCTTTTATTTGGAGAGCAG 2280
DB TCTTTTATTTGGAGAGCAG 2644
QY 2644 AATATGAAATTTGTCTCAAAATTTAGCTGTGTAAATAGCCCGGCTTCACTGCTCTGCT 2703
DB AATATGAAATTTGTCTCAAAATTTAGCTGTGTAAATAGCCCGGCTTCACTGCTCTGCT 2281
QY 2281 AATATGAAATTTGTCTCAAAATTTAGCTGTGTAAATAGCCCGGCTTCACTGCTCTGCT 2340
DB AATATGAAATTTGTCTCAAAATTTAGCTGTGTAAATAGCCCGGCTTCACTGCTCTGCT 2704
QY 2704 GAGGTCCCTTTCTTCTGTGGCTGTGAATTTCTGTACATTTTCTACTTTTGTATCA 2763

Db	2341	GAGGCCCCCTTCTCTCGGGCGTGAATTCGTGACATATTTCTCATTTTGTATCA	2400
Qy	2764	GGCTTCAATTCATATTATGTTTTAATGTGTCTCTGAAGATGACTTGTGATTTTTTTTCT	2823
Db	2401	GGCTTCATATTCATATTATGTTTTAATGTGTCTCTGAAGATGACCTTGTGATTTTTTTTCT	2460
Qy	2824	TTTTTTTAAACATGAAGAGCGTTTGAACAGCAAGCTCTGCGTGTGTGGTTTCAACAG	2893
Db	2461	TTTTTTTAAACATGAAGAGCGTTTGAACAGCAAGCTCTGCGTGTGTGGTTTCAACAG	2520
Qy	2884	CTTCTGCCCTCACAATGACACAGGGAATTTTAAACAACAAATATATACATCTCCCTGTGA	2943
Db	2521	CTTCTGCCCTCACAATGACACAGGGAATTTTAAACAACAAATATATACATCTCCCTGTGA	2580
Qy	2944	GTCCTTATATATAGTAGAGTCTTGTGTATCTGCGCTCTGTCAAGTAGTGCAGAGATCTA	3003
Db	2581	GTCCTTATATATAGTAGAGTCTTGTGTATCTGCGCTCTGTCAAGTAGTGCAGAGATCTA	2640
Qy	3004	TTTGCATATTTGGGAGCTTCTTTAAGGGAATGAGTTCCTTTAAACAACATGAAAATTTAA	3063
Db	2641	TTTGCATATTTGGGAGCTTCTTTAAGGGAATGAGTTCCTTTAAACAACAATGAAAATTTAA	2700
Qy	3064	TTAGTAACTTTTTTGCACAGAGTTTATATGACGTGTAATGCTTAAGAAAGTAAAGAAAGA	3123
Db	2701	TTAGTAACTTTTTTGCACAGAGTTTATATGACGTGTAATGCTTAAGAAAGTAAAGAAAGA	2760
Qy	3124	AAAGCCTGTGGCAATCTTGGTTATTTCTTTAAGATTTTCTGGCAGTGTGGAGTGGATGA	3183
Db	2761	AAAGCCTGTGGCAATCTTGGTTATTTCTTTAAGATTTTCTGGCAGTGTGGAGTGGATGA	2820
Qy	3184	TGAAGTGAATGTGAATCTTTGGGCAAGTTAAATGGGACAGCCTTCATGTTCAATTTGTCT	3243
Db	2821	TGAAGTGAATGTGAATCTTTGGGCAAGTTAAATGGGACAGCCTTCATGTTCAATTTGTCT	2880
Qy	3244	ACCTCTTAACTGAATATAAAAGCCACAGCTTTTAG	3279
Db	2881	ACCTCTTAACTGAATATAAAAGCCACAGCTTTTAG	2916

[illegible]

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RESULT 10
US-10-042-211A-124
/ Sequence 124, Application US/10042211A
/ Publication No. US20030170719A1
/ GENERAL INFORMATION:
/ APPLICANT: MATSUDA, Akio et al.
/ TITLE OF INVENTION: NFKB Activating Gene
/ FILE REFERENCE: 1254-0192P
/ CURRENT APPLICATION NUMBER: US/10/042,211A
/ CURRENT FILING DATE: 2002-01-11
/ PRIOR APPLICATION NUMBER: JP 2000-403288
/ PRIOR FILING DATE: 2000-12-28
/ PRIOR APPLICATION NUMBER: JP 2001-088912
/ PRIOR FILING DATE: 2001-03-26
/ PRIOR APPLICATION NUMBER: JP 2001-254018
/ PRIOR FILING DATE: 2001-08-24
/ PRIOR APPLICATION NUMBER: US 60/258,315
/ PRIOR FILING DATE: 2000-12-28
/ PRIOR APPLICATION NUMBER: US 60/278,640
/ PRIOR FILING DATE: 2001-03-26
/ PRIOR APPLICATION NUMBER: US 60/314,385
/ PRIOR FILING DATE: 2001-08-24
/ NUMBER OF SEQ ID NOS: 162
/ SOFTWARE: PatentIn Ver. 2.0
/ SEQ ID NO 124
/ LENGTH: 2916
/ TYPE: DNA
/ ORGANISM: Homo sapiens
/ FEATURES:
/ NAME/KEY: CDS
/ LOCATION: (81)..(2117)
US-10-042-211A-124
Query Match      88.5%;   Score 2911.2;   DB 13;   Length 2916

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Qy	904	AACGATGAAAAATGTCATGTCCTGGTTCGTGTCGCCACGCTCTTCGGAATTAATGTCG	963
Db	541	AACGATGAAAAATGTCATGTCCTGGTTCGTGTCGCCACGCTCTTCGGAATTAATGTCG	600
Qy	964	GAATTTATTTCTTCCTGCTTCGTGTCGATTCATCCTCCATPAAGCGAGATCCAGTTCCTAATG	10233
Db	601	GAATTTATTTCTTCCTGCTTCGTGTCGATTCATCCTCCATPAAGCGAGATCCAGTTCCTAATG	660
Qy	1024	GTTTGCAGCTTTGGCCAGTTTTCATAGCCGACAGTTGGAAATPAACCTCTTTCATCA	10833
Db	661	GTTTGCAGCTTTGGCCAGTTTTCATAGCCGACAGTTGGAAATPAACCTCTTTCATCA	720
Qy	1084	TGTATACGTGAGCACCCCTGCTGGGCTTTTGACAAACTCTCTGTGGGGATACATCTCA	11433
Db	721	TGTATACGTGAGCACCCCTGCTGGGCTTTTGACAAACTCTCTGTGGGGATACATCTCA	780
Qy	1144	TCTCGGTGGAGATGTCAGTTTCTGTGTCGCCCTTATCGTCTGGTCTTGTGATGTCACAGA	12033
Db	781	TCTCGGTGGAGATGTCAGTTTCTGTGTCGCCCTTATCGTCTGGTCTTGTGATGTCACAGA	840
Qy	1204	TGAAGGAAAAAATTGAACGAGAAATAAGTGATGCTCTTCGAAAGCCCTTATGAGAA	12633
Db	841	TGAAGGAAAAAATTGAACGAGAAATAAGTGATGCTCTTCGAAAGCCCTTATGAGAA	900
Qy	1264	AAAAAGATAGCTTGAAGAAGACCATGAAAGAAACAAAGTTGTCTGTGTGATATTGAAA	13233
Db	901	AAAAAGATAGCTTGAAGAAGACCATGAAAGAAACAAAGTTGTGTCTGTGATATTGAAA	960
Qy	1324	ACAAGCATCTGTTTCTGAGAGTAGGCGCTTGCCACTGTGCCCCCTTCAGAGCTGTGTGAGG	13833
Db	961	ACAAGCATCTGTTTCTGAGAGTAGGCGCTTGCCACTGTGCCCCCTTCAGAGCTGTGTGAGG	1020
Qy	1384	AGAGAACAGTCTAATTCAAACTTGGAGAAATTGGAGGAAGCTCCAGAGAGAGAGGCGTTC	14433

Db 1021 AGAGAACAGTCTCATTTCAAATTGGAGATTGGAGAGAGCTCCAGAGAGAGAGGCTTC 1080
Qy 1444 CCAGCGTGAGCTTGAAAGAGAAAACAGCATATAGTACACCGGTAGATGTGAGTGAGT 1503
Db 1081 CCAGCGTGAGCTTGAAAGAGAAAACAGCATATAGTACACCGGTAGATGTGAGTGAGT 1140
Qy 1504 TGGCTAAATGGGAACCTTGTCCAGTTCAGTCAAGCCGTCAGCAACCAATAAATCCAGTG 1563
Db 1141 TGGCTAAATGGGAACCTTGTCCAGTTCAGTCAAGCCGTCAGCAACCAATAAATCCAGTG 1200
Qy 1564 GCCACTACAGATACACCGGTGATAGATATCCGGCTGTATACAAAGAGTACTTCATA 1623
Db 1201 GCCACTACAGATACACCGGTGATAGATATCCGGCTGTATACAAAGAGTACTTCATA 1260
Qy 1624 AATTACATCTTGGCAAGTGGAGATTCAGATGGAGACTCCGGTGAACAAACCTTAAGGC 1683
Db 1261 AATTACATCTTGGCAAGTGGAGATTCAGATGGAGACTCCGGTGAACAAACCTTAAGGC 1320
Qy 1684 GCAATTAATAGCTATCTTCTATACATGGCAATATGTGGCATGCTCTGGATTCATTC 1743
Db 1321 GCAATTAATAGCTATCTTCTATACATGGCAATATGTGGCATGCTCTGGATTCATTC 1380
Qy 1744 GTGGCAAGAGAGTGAACAAAGGGCGAAGAAATGAGAGAGTGAACATGGCTTAATGAG 1803
Db 1381 GTGGCAAGAGAGTGAACAAAGGGCGAAGAAATGAGAGAGTGAACATGGCTTAATGAG 1440
Qy 1804 ACTCCAAAGAGAGTGAACATGGAGTGAACCAAGTACTGCAATGTGTGTGAC 1863
Db 1441 ACTCCAAAGAGAGTGAACATGGAGTGAACCAAGTACTGCAATGTGTGTGAC 1500
Qy 1864 TTCACTGAGCATCTGAGATGACATGAGTGAAGGAGAGAGATGGGTCTAGGTGACAGAA 1923
Db 1501 TTCACTGAGCATCTGAGATGACATGAGTGAAGGAGAGAGATGGGTCTAGGTGACAGAA 1560
Qy 1924 AAGGAATATATGCTCTCTAGAGAAATGTATGACAGATTAACCTGAATCTCTCC 1983
Db 1561 AAGGAATATATGCTCTCTAGAGAAATGTATGACAGATTAACCTGAATCTCTCC 1620
Qy 1984 TCTTCAGATCTCTGAGATCTCTTACAGCTGCTTGGGTCACTTGGCCATGTTGGCATG 2043
Db 1621 TCTTCAGATCTCTGAGATCTCTTACAGCTGCTTGGGTCACTTGGCCATGTTGGCATG 1680
Qy 2044 ACCTAAGCAATGCAATGGGCTCTGTGTTTATATTTGGTTATGACACAGAGATG 2103
Db 1681 ACCTAAGCAATGCAATGGGCTCTGTGTTTATATTTGGTTATGACACAGAGATG 1740
Qy 2104 TTTTCTTAAAGTGGCAACCAATATGGCTTCTACTATGATGTGTGTGTGTGTGTGTG 2163
Db 1741 TTTTCTTAAAGTGGCAACCAATATGGCTTCTACTATGATGTGTGTGTGTGTGTGTG 1800
Qy 2164 TTGGTCTGTGGGTTTGGGGAAGAGATTATCCAGACCATGGGAGAGATTCACACGA 2223
Db 1801 TTGGTCTGTGGGTTTGGGGAAGAGATTATCCAGACCATGGGAGAGATTCACACGA 1860
Qy 2224 TCACACCTCTAGTGGCTTCAATATGAACTGGCATCTGCCCTCAGTGTGTGTGTGTGT 2283
Db 1861 TCACACCTCTAGTGGCTTCAATATGAACTGGCATCTGCCCTCAGTGTGTGTGTGTGT 1920
Qy 2284 CAATATATGGCTTCCATCAGTACCAACATTTGTAAGTGGCTCTGTGTGTGTGTGTG 2343
Db 1921 CAATATATGGCTTCCATCAGTACCAACATTTGTAAGTGGCTCTGTGTGTGTGTGTG 1980
Qy 2344 GCTGGCTCCGGTCCAAAGAGGCTGTGAGTGGGCTCTTTCGTAACTTTTATGGGCT 2403
Db 1981 GCTGGCTCCGGTCCAAAGAGGCTGTGAGTGGGCTCTTTCGTAACTTTTATGGGCT 2040
Qy 2404 GGTGTTCACAGTCCCATTTCTGAGTTATCAGTGTGCCATGCAATCTTCAGAT 2463
Db 2041 GGTGTTCACAGTCCCATTTCTGAGTTATCAGTGTGCCATGCAATCTTCAGAT 2100
Qy 2464 ATGTCAATCTCTCAATATGAAAGCTGTGTGAGATTAATTTGTGTCAATGTGTGGACCA 2523
Db 2101 ATGTCAATCTCTCAATATGAAAGCTGTGTGAGATTAATTTGTGTCAATGTGTGGACCA 2160

Qy 2524 TCTTAGGATATCTGTGCTCCCTGAGAAATGATTAAGTGTAAACAGAAAGCTGACAAAG 2583
Db 2161 TCTTAGGATATCTGTGCTCCCTGAGAAATGATTAAGTGTAAACAGAAAGCTGACAAAG 2220
Qy 2584 TCTTTTATATTTGGGACCCAGAGAGAGGAAAGTGTACTGTGTCTATTAATCTGCTTGTGCT 2643
Db 2221 TCTTTTATATTTGGGACCCAGAGAGAGGAAAGTGTACTGTGTCTATTAATCTGCTTGTGCT 2280
Qy 2644 AATATGAAATTTGCTCAAAATTTAGCTGTGTAATATAGCCCGGTTCCATGCTGCTGCT 2703
Db 2281 AATATGAAATTTGCTCAAAATTTAGCTGTGTAATATAGCCCGGTTCCATGCTGCTGCT 2340
Qy 2704 GAGGTCCCTTCTCTTCTGGGCTGTGAATCTGTACATATTTCTACTTTTGTATCA 2763
Db 2341 GAGGTCCCTTCTCTTCTGGGCTGTGAATCTGTACATATTTCTACTTTTGTATCA 2400
Qy 2764 GGTCTCAATCTCAATATGTTTAAATGTGTCTGTGAAGATGACTGTGATTTTCTTCT 2823
Db 2401 GGTCTCAATCTCAATATGTTTAAATGTGTCTGTGAAGATGACTGTGATTTTCTTCT 2460
Qy 2824 TTTTAAACATGAAAGAGCCGTTGACAGAGCATGCTGCGGTTGTGTTTCAACAG 2883
Db 2461 TTTTAAACATGAAAGAGCCGTTGACAGAGCATGCTGCGGTTGTGTTTCAACAG 2520
Qy 2884 CTCTGCTTCAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 2943
Db 2521 CTCTGCTTCAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 2580
Qy 2944 GTCTCTTATATATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 3003
Db 2581 GTCTCTTATATATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 2640
Qy 3004 TTGGCAATATCGGAGGCTCTTGAAGGAGATGAGTCTTGAACACAGTGAATTAATTA 3063
Db 2641 TTGGCAATATCGGAGGCTCTTGAAGGAGATGAGTCTTGAACACAGTGAATTAATTA 2700
Qy 3064 TTAGTAACTTTTTCAGAGAGTATATGATGATGATGATGATGATGATGATGATGAT 3123
Db 2701 TTAGTAACTTTTTCAGAGAGTATATGATGATGATGATGATGATGATGATGATGAT 2760
Qy 3124 AAGGCTGTGGCAATCTTGTATTTCTTAAGATTTTGGAGAGTGGAGATGAGAA 3183
Db 2761 AAGGCTGTGGCAATCTTGTATTTCTTAAGATTTTGGAGAGTGGAGATGAGAA 2820
Qy 3184 TGAAGTGAATGTAATCTTGGCAAGTAAATGGGACAGCTTCCATGTTCAATTTGCT 3243
Db 2821 TGAAGTGAATGTAATCTTGGCAAGTAAATGGGACAGCTTCCATGTTCAATTTGCT 2880
Qy 3244 ACCTCTTAATGTAATTAAGGCTTACAGTTTTAAAG 3279
Db 2881 ACCTCTTAATGTAATTAAGGCTTACAGTTTTAAAG 2916

RESULT 11
US-10-062-674-2102
; Sequence 2102, Application US/10062674
; Publication No. US2004000559A1
GENERAL INFORMATION:
; APPLICANT: Loring, Jeanne F.; Kaser, Matthew R.
; TITLE OF INVENTION: MARKERS OF NEURONAL DIFFERENTIATION AND MORPHOGENESIS
; FILE REFERENCE: PA-0026-1 CIP
; CURRENT APPLICATION NUMBER: US/10/062,674
; CURRENT FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: US 09/625,102
; PRIOR FILING DATE: 2000-07-24
; NUMBER OF SEQ ID NOS: 2217
; SOFTWARE: PERL Program
; SEQ ID NO 2102
LENGTH: 3447
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:

NAME/KEY: misc feature
 FEATURE: OTHER INFORMATION: Incyte ID No. US2004000559A1 474592.5
 NAME/KEY: unsure
 LOCATION: (1) ... (3447)
 OTHER INFORMATION: a, t, c, g, or other
 US-10-062-674-2102

Query Match 58.3%; Score 2245.8; DB 12; Length 3447;
 Best Local Similarity 91.4%; Pred. No. 0;
 Matches 3120; Conservative 0; Mismatches 170; Indels 124; Gaps 65;

1 CGGCGCTCTGCGGTGTTCTTCTTCTGCGCGCGTGAACCCCGCGCGTCTTCTCTGCG 60
 34 CGGCGCTCTGCGGTGTTCTTCTTCTGCGCGCGTGAACCCCGCGCGTCTTCTCTGCG 93
 61 AAGTCGTGAGTCCCGCTGAGCTGTCCCGGTGCGCGACCGG-----GCCGTGTGCC 115
 94 AAGTCGTGAGTCCCGCTGAGCTGTCCCGGTGCGCGACCGGCGCGGTGTGCC 153
 116 CGTGGCTCCAGCGCGCGCGTGTCTGATCTGCTGCTCCCGCTCCCGCTCCCTTTTCCC 175
 154 CGTGGCTCCAGCGCGCGCGTGTCTGATCTGCTGCTCCCGCTCCCGCTCCCTTTTCCC 213
 176 T-GGATGAACCTTGC-GTCTTCTCTTCTCCCGCATGGAATCT-GCTCCGTGCTTTAG 232
 214 TGGATGAACCTTGCCTTCTCTTCTCCCGCATGGAATCTGCTCCGTGCTTTAG 273
 233 CCTCTGAGCCCAAGAAACCCAGACACAGATGCCCATACGCGATAGCAGTAC 292
 274 CCTCTGAGCCCAAGAAACCCAGACACAGATGCCCATACGCGATAGCAGTAC 333
 293 TCCCGAGCTGCTTCTGTCGCGGATTAAGATTTAATTTAATATATATATAT 352
 334 TCCCGAGCTGCTTCTGTCGCGGATTAAGATTTAATTTAATATATATATAT 393
 353 TTAATATAGATTTTATATCTCATATCTGTTTACATCTTGAAGCGCTCAGTAG 412
 394 TTAATATAGATTTTATATCTCATATCTGTTTACATCTTGAAGCGCTCAGTAG 453
 413 TTCTCTTACTAACAACCACTACTCCAGAGATGGCAACGCTGATTAACAGTAC 472
 454 TTCTCTTACTAACAACCACTACTCCAGAGATGGCAACGCTGATTAACAGTAC 513
 473 TGTACCGCGCTTCTGTCGCTTGTGAGTACTATGATGCTCATCTGCGCTTCT 532
 514 TGTACCGCGCTTCTGTCGCTTGTGAGTACTATGATGCTCATCTGCGCTTCT 573
 533 TATTCATTTGCTTGTG-GCAATTCGCTGGAGGCAATGATGCAATTTCTTTGGT- 590
 574 TATTCATTTGCTTGTG-GCAATTCGCTGGAGGCAATGATGCAATTTCTTTGGT- 633
 591 -----ACAGCTGTGGCTCAGGTGATGACCTGAA-----GCAAGCTGCTCATGCT 641
 634 TACACAGCTGTGTGGCTCAGGTGATGACCTGAAAGCAAAAGCTGCTCATGCT 693
 642 AGCATCTTTGAAGAGTGGCTCTGTCTTACTGGGGGCAAGTGAAGCAATCCATCCG 701
 694 AGCATCTTTGAAGAGTGGCTCTGTCTTACTGGGGGCAAGTGAAGCAATCCATCCG 753
 702 AAGGCTTGTAT-TGACGTGAGATGTACAATC-----GACTCAAGGGCTACTG-ATGGCG 756
 754 AAGGCTTGTAT-TGACGTGAGATGTACAATC-----GACTCAAGGGCTACTG-ATGGCG 813
 757 GCTCAGTCA--GTGCTATGTTGGTCT--GCTGTGTGGCAACTGAGGCTGTGTTTGG 812
 814 GCTCAGTCAAGTGTGCTATGTTGGTCTGTGCTGTGTGGCAACTGAGGCTGTGTTTGG 873
 813 AAGTCTCC--TATTTCTGAAGCCATTTGATTTGTGTGCAACTATTTGGGTTTCTCCC 866
 874 AAGTCTCCATTTCTGTGGAACCCATTTGATTTGTGTGCAACTATTTGGGTTTCTCCC 933
 867 CTGCTGCAAGGGGCGAGAGGTGTC-AAGTGTCTGAAGTGAATAAATTTGATGTCT 925

934 TCGTGCAAAAGGGGCGAGAGGCTGTCAAGGTGCTGGAATGATTAATTTGTGATGTC 993
 926 TTGGTT--CGTGTCCCACTGCTTTCTGGAATTAATGCTGGAATTTATTTCTTCTGATC 994
 994 TTGGTTCCGTTCCCACTGCTTTCTGGAATTAATGCTGGAATTTATTTCTTCTGATC 1053
 985 GTGCAATTCCTCCATTAAGGAGATCCAGTTCCTAATGTTTGGAGCTTGGCCAGTTT 1044
 1054 GTGCAATTCCTCCATTAAGGAGATCCAGTTCCTAATGTTTGGAGCTTGGCCAGTTT 1113
 1045 TCTATGCTTGACAGTTGGAATTAATCTTTTTCATCATGTAATCTGAGACACCGTTGC 1104
 1114 TCTATGCTTGACAGTTGGAATTAATCTTTTTCATCATGTAATCTGAGACACCGTTGC 1173
 1105 TGGGCTTTGACAACTCTCTGTTGGGGTACCATCTCATCTCGGGGATGTGCAATT 1164
 1174 TGGGCTTTGACAACTCTCTGTTGGGGTACCATCTCATCTCGGGGATGTGCAATT 1233
 1165 TCTGTCCCTTATCGTGTGTTCTTGTATGTCCTCAGATGGAAGAAATTTGAACGAG 1224
 1234 TCTGTCCCTTATCGTGTGTTCTTGTATGTCCTCAGATGGAAGAAATTTGAACGAG 1293
 1225 AATTAAGTGTAGTCTTCTGAAAGCCCTTAATGGAAGAAATTTGAACGAG 1284
 1294 AATTAAGTGTAGTCTTCTGAAAGCCCTTAATGGAAGAAATTTGAACGAG 1353
 1285 ACCATGAAGAAACAAAGTTGCTGTTGTGATTTGAAGAAACAAAGTCTGAGG 1344
 1354 ACCATGAAGAAACAAAGTTGCTGTTGTGATTTGAAGAAACAAAGTCTGAGG 1413
 1345 --TAGGGCTGCACTGTGCGCTCCAGGCTGTGGTGGAGAGAGAAAGTCTATT-CA 1401
 1414 GTTAGGGCTGCACTGTGCGCTCCAGGCTGTGGTGGAGAGAGAAAGTCTATTCCA 1473
 1402 AACTTGAAGATTTGAGAAAGCTCCAGAGAGAGA--GCTTCCAGCGTGAATTGA 1459
 1474 AACTTGAAGATTTGAGAAAGCTCCAGAGAGAGAAGGCTTCCAGCGTGAATTGA 1533
 1460 AAGAGAAACAGC--ATGATGACACCGTGAATGTTGCAAGTCAATTCCTTAATGG-- 1514
 1534 AAGAGAAACAGTCACTGATGACACCGTGAATGTTGCAAGTCAATTCCTTAATGG 1593
 1515 AACTTGTCAAGTTGAGTCAAGCGCTCAGCAACCAATTAATCTCAGTGGCCTACAG 1574
 1594 AACTTGTCCAGTTGAGTCAAGCGCTCAGCAACCAATTAATCTCAGTGGCCTACAG 1653
 1575 TATCACACCGTGTATAGATTTCCGCTGTACAAAGACTACTCATTAATTAATCTT 1634
 1654 TATCACACCGTGTATAGATTTCCGCTGTACAAAGACTACTCATTAATTAATCTT 1713
 1635 GCCAAGT--GGAGATTTGATGAGAGACTCCGCTGCAAAACCTTTAAGCGCAATATAG 1693
 1714 GCCAAGTGGGAGATTTGATGAGAGACTCCGCTGCAAAACCTTTAAGCGCAATATAG 1773
 1694 CTATACCTCTTATACATGAGCAATATGT--GGCAATGCTGTGATTAATTCGAGCAAG 1752
 1774 CTATACCTCTTATACATGAGCAATATGTGGCAATGCTGTGATTAATTCGAGCAAG 1833
 1753 AAGGTGAAGAAAGGCGAAGAAATGAGAAAGTGAATGCTTAATGAGACTCCAG 1812
 1834 AAGGTGAAGAAAGGCGAAGAAATGAGAAAGTGAATGCTTAATGAGACTCCAG 1893
 1813 AAGGAATTTGATGACAGTTACCAAGTTATCTGCAATGCTGTGTGCACTTCACTCAG 1872
 1894 AAGGAATTTGATGACAGTTACCAAGTTATCTGCAATGCTGTGTGCACTTCACTCAG 1953
 1873 CATCTGATGATGACATGAGTGTCAAGGAGAG--ATGGGTCTAGAGTGAAGAAAGAGT 1931
 1954 CATCTGATGATGACATGAGTGTCAAGGAGAGATGTGGTCTAGAGTGAAGAAAGAGT 2013
 1932 AATGCTCTCTAGAAAGATGT--TATGACAGATTAAGCTGAAGTCTCT--CCTCTT 1987

Qy 2458 TCAGATATGTCATCT 2473
Db 2174 TCATGTATGGATCT 2189

RESULT 13

US-09-873-367C-143
Sequence 143, Application US/09873367C
Publication No. US20030165839A1
GENERAL INFORMATION:
APPLICANT: Young, Paul
APPLICANT: Soppet, Daniel
APPLICANT: Endress, Gregory
APPLICANT: Augustus, Meena
APPLICANT: Ebner, Reinhard
APPLICANT: Carter, Kenneth
TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using
FILE REFERENCE: 689290-64
CURRENT APPLICATION NUMBER: US/09/873,367C
PRIOR FILING DATE: 2003-04-29
PRIOR APPLICATION NUMBER: U.S. 60/236,891
PRIOR FILING DATE: 2000-09-29
PRIOR APPLICATION NUMBER: U.S. 60/236,891
PRIOR FILING DATE: 2000-09-29
PRIOR APPLICATION NUMBER: U.S. 60/244,867
PRIOR FILING DATE: 2000-11-01
PRIOR APPLICATION NUMBER: U.S. 60/245,084
NUMBER OF SEQ ID NOS: 1067
SOFTWARE: PatentIn version 3.0
SEQ ID NO 143
LENGTH: 3175
TYPE: DNA
ORGANISM: Homo sapiens
US-09-873-367C-143

Query Match 18.8% Score 617.2; DB 13; Length 3175;
Best Local Similarity 60.3%; Pred. No. 2.8e-167;
Matches 1203; Conservative 0; Mismatches 718; Indels 75; Gaps 8;
Qy 496 TGTGTGACTACTATGATGCTCATCTGCGCTTCATTATGCAATTTGCTTGGCATCT 555
Db 251 TGTGTGACTACTATGATGCTCATCTTGGCTTCATTATGCAATTTGCTTGGCATCT 310
Qy 556 CCGTGGAGCCATGATGATGCAATTTCTTTGATACAGCTGTGGCTCAGGTGTATGA 615
Db 311 CTGTGTGCAAAAGATGTGCGCAACTCTTTGATACAGCGCTGGCTCTGTGTGTGA 370
Qy 616 CCGTGAAGCAAGCTGATCTAGTCACTTGTGAACAGTGGCTCTGTCTTACTGG 675
Db 371 CTTGAGGCAAGCATGATGATTTTACCTTCATATTTGAACACCGGCTCGGTACTAG 430
Qy 676 GGGCCAAAGTAGCGAAACCATCCGAAAGGCTTGAATTGACGTGAGATGTACAACTGA 735
Db 431 GCGCAAAAGTAGAGAAACCATTTGCAAGGTATCATTTGACGTGAACCTGTACAAAGA 490
Qy 736 CTCAAGGGCTACTGATGCGCGCTCAGTCACTGCTATGTTGTTGCTGTGTGGCAAC 795
Db 491 CCGTGAAGCACTCTCATGCTGCGGAGATGTAGTGCATGCTGTGGTCCGCTGTGGCAGC 550
Qy 796 TCGTGGCTTGTGTTTGAAGTCCCTATTTCTGGAACCATGATGTTGGTGGCACTA 855
Db 551 TGATGTCTCTCTCTAAGGCTTCATCTCAGGAAGCACTGATGTGGGTCTACTA 610
Qy 856 TTGGTTTCTCCCTGTCGCAAAAGGGGAGAGGAGTCAAGTGTCTGAACGTATAAAA 915
Db 611 TAGGATTTCTACGTGTGCAATGTGTACAAAGGTGTGAGTGAAGAGTGTCAAGA 670
Qy 916 TTGTGATGCTGTGTTGTGTGTCCCACTGCTTTTGGAAATTAATGTCTGAAATTTATCT 975
Db 671 TTGTGCTCTGTGTTATATCTCACCTGTGTCTGTGTTCACTGTGGCTGTGCTGTTTG 730

Qy 976 TCCTGGTGTGATTCATCTTCATAGGCAAGATCCAGTTCTTAATGTTGCGAGCTT 1035
Db 731 TACTATCAGAATTTTTCATCTTAAAAAGAAAGACCTGTCTCCATATGGCTCCGGGCAC 790
Qy 1036 TGGCAATTTTCTATGCTGCAAGTTGGAATTAACCTCTTTTTCATCATATGTAATCTGAG 1095
Db 791 TCCCATATATTCATATGCTGTACATAGCAATCAATGCTTTTTCATCATATGTAATCAAGAG 850
Qy 1096 CACGTTGCTGGCTTTGACAACTCTCTGAGGAGTACATCTCATCTCGGTGGAGT 1155
Db 851 CACCAATGCTCGGCTTG---TTCTCCCATGTGGGCAATAGCTTCATTTCTTTGGTG 967
Qy 1156 GTGCAATTTCTGTGCTGCTTATGCTGTGTTCTTTGATGTCCAGATGAGAGAAAA 1215
Db 908 TGGCTCTCTGTTGCTGTTTGTGTGCTCTTGTGTGCTGTGTGTGTGTGTGTGTGTGTGTGT 967
Qy 1216 TTGAACGAAATTAATAGTATGCTCTTGTGAAGCCCTTAATGAAAAAAGAAATAGCT 1275
Db 968 TAAACGCAAAATTAACAAAAAGAGTGTCTTATCAAGATATCTGCAAAAGCTCAGTA 1027
Qy 1276 TGAAGAAGCAATGAAGAAACAAAGTTGCTGTGTGATATTTGAACCAAGCTCTG 1335
Db 1028 AGGTTGAGAGAGAGAGTCCCACTATTT-----TAAAGCTTACAG 1070
Qy 1336 TTTCTGAGGTAGGCTGTCACATGTCCTCCCTCAGGCTGTGTGAGAGAGAAAGTCT 1395
Db 1071 TGGCAAGGCTAATGATGACAGACATCCGCTCAGGGAGCAGAGGGAG----- 1122
Qy 1396 CATTCAACTTGGAGATTTGAGAGAAAGCTTCAGAGAGAGAGAGGCTTCCAGGTGTGACT 1455
Db 1123 -----ACACTGGGAGACTCGGAAGGCACTTCTCG-----GGCAGCACTCTGAGCT 1170
Qy 1456 TGAAGAAGAAACCAAGATAGATAGACACCTGAATGTGACAGTGCAGTTGCTTAATGGA 1515
Db 1171 GCATACGAAAGACACTGTTCATGACCATGCTCTGTGAATGCGCATTCCTCAACGCG 1230
Qy 1516 ACCTTGTCAAGTTCAGTCAAGCCGTGAGCAACCAATTAATCTCAGTGGCACTACAGT 1575
Db 1231 ACCTT-----CGGCTTGAAGGCGCCACAGAGAGAGAGAGTGTG 1273
Qy 1576 ATACACCGCTGCTAATGAGATTCGCGCTGTGCAAAAGTATCTCCATTAATTAATCTTG 1635
Db 1274 ACCACACCGTGCACAAAGACTCGGGGCTCTACAAATCTGTGCAAAATTCACATG 1333
Qy 1636 CCAAGTGGAGATTCATGAGGAGCTCGGAGTCAAA-----ACCCTTAAGGCGCAAT 1689
Db 1334 ACAGGGGCCCCGAGAGAGCCAGCCAGAAAGCACTACCGGCTGCTCCGCGAAACA 1393
Qy 1690 ATAGCTATCTTCTTATACATGGAATATGTGCAATGCTCTGATTCATTCCTGCCA 1749
Db 1394 ACAGTTACACCTGTACACCGAGCATTTGTGGGCTGCGCAAGTGCACGCACTTTGAG 1453
Qy 1750 AAGAGGTGAACAGAGGGCGAAAGAAATGAGAACTGACATGAGCTTAATG---CAGACT 1806
Db 1454 CTGCGGACTCATGCGGCCAGAGAGACATGAGAAAGCTGTGGCGCACCGGTGCTTACT 1513
Qy 1807 CCAAGAGGAATTTGAATGACATGACCTTACCAAGTACTGCAATGCTGTGTGCACTTC 1866
Db 1514 CCAAGAGAGGCTGCGCTACAGACATCTCAAGCTACTGTAAAGCGGTGTGGCAGAGCGG 1573
Qy 1867 ACTCAGATCTGAGA-----TAGACATGAGTGTCAAGGAGAGATGAGTCTAGGT 1917
Db 1574 AGATGAGGCGAGAGAGGGCGGCTGTGAGATGAGAGTGTGGGTGTGAGTGTGCGAGCC 1633
Qy 1918 ACAGAAAGAGAGTAATGCTCTCTTGAAGATGTATGACAGATTAAGCTGAAAGTCT 1977
Db 1634 ACCAGCGGAGAGAGACCTTGCAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1693
Qy 1978 CTCTCTCTTCAAGTCTGAGAGATCTTAACAGCTGTTGGGTGATTTGCGCCATGAGT 2037
Db 1694 ACCTCTGTTCAATTTCTGAGAGTCTTCAACCGCTGTGTTTGGGTCTTTTGTCTCAAGCG 1753


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Db 1481 CTTGAGACCTCTCCGCCCCGAGAGATAGCGAAGCTGTGGTGACACCGTCTCT 1540
Qy 1804 ACTCCAAAGACCAATTCGAATGAGACATTAACCACTTCTGCAATGCTGTCTGA-- 1861
Db 1541 ATTCAAGAAAGAGCTCCGCTACGACAGCTACTCTGCAAGCGGTGCGCCAGG 1600
Qy 1862 -----CTTCACTCAGCATCTGAGATAGACATAGTGTCAAGGACAGATGGGTCTAG 1914
Db 1601 CGGAGATCGAGCGCGAAGAGGCGCGCTGGAAATGAGGCTGGCCTCTGAGCTGACGATC 1660
Qy 1915 GTGACAGAAAAGAGATAGTGTCTCTTGAAGATGTATGACAGATTAAGCTTGAAG 1974
Db 1661 CTGACCAAGCTCAACGAGATCTTCCGGAAGCGAAGAGAGAGAGATCCCGCAAGG 1720
Qy 1975 TCTCTCTCTCTTCCATTTCTGAGATCTTCAAGCTGTTGGTTCATTTGCCCATG 2034
Db 1721 TCCAGCTCTCTTCCATTTCTGAGATCTTCAAGCTGTTGGTTCATTTGCCCATG 1780
Qy 2035 GTGCAATGACATGATGAGATGCGCATTTGGGCTCTGTTCTTATTTGGTTATGACA 2094
Db 1781 GTGCAATGATGATGAGATGCGCATTTGGGCTCTGTTCTTATTTGGTTATGACA 1840
Qy 2095 CAGAGATGTTTCTTCAAAAGTGGCAAACCAATATGCTTCACTCTATGTGTGTG 2154
Db 1841 AAGCGGAGTTACAGAAAGCTCTACTCAGCTGTGTGTGTGTGTGTGTGTGTGTG 1900
Qy 2155 GTATCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTG 2214
Db 1901 GCATCTGACAGGCTCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTG 1960
Qy 2215 TGACACCGATCAACCCCTCTAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTG 2274
Db 1961 TGACACCGATCAACCCCTCTAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTG 2020
Qy 2275 TGATGTGATCAAAATATGAGCTTCCATCAGTACACACATTTGTAAGTGGCTCTGTG 2334
Db 2021 TGATGTGATCAAAATATGAGCTTCCATCAGTACACACATTTGTAAGTGGCTCTGTG 2080
Qy 2335 TGATGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTG 2394
Db 2081 TAGCGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTG 2140
Qy 2395 TTATGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTG 2454
Db 2141 TTATGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTG 2200
Qy 2455 TCTTCAGATATGT 2467
Db 2201 TCTTCAGATATAT 2213

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RESULT 15
US-09-879-536-623
; Sequence 623, Application US/09879536
; Patent No. US20020144298A1
; GENERAL INFORMATION:
; APPLICANT: Endege, Wilson O.
; APPLICANT: Steinmann, Kathleen E.
; APPLICANT: Ascle, Jon H.
; APPLICANT: Burgess, Christopher C.
; APPLICANT: Buehnel, Steven E.
; APPLICANT: Carroll III, Eddie
; APPLICANT: Catino, Theodore J.
; APPLICANT: Dertl, Adnan
; APPLICANT: Ford, Donna M.
; APPLICANT: Lewis, Marcia E.
; APPLICANT: Monahan, John E.
; APPLICANT: Schlegel, Robert
; TITLE OF INVENTION: NOVEL HUMAN GENES AND GENE EXPRESSION
; FILE REFERENCE: CCD-257 (US)
; CURRENT APPLICATION NUMBER: US/09/879,536

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; CURRENT FILING DATE: 2001-09-21
; PRIOR APPLICATION NUMBER: US 60/088,801
; PRIOR FILING DATE: 1998-06-10
; NUMBER OF SEQ ID NOS: 850
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 623
; LENGTH: 662
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)..(662)
; OTHER INFORMATION: n = A,T,C or G
US-09-879-536-623

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Query Match 15.1%; Score 495.2; DB 10; Length 662;
Best Local Similarity 90.2%; Pred. No. 2.1e-132;
Matches 591; Conservative 0; Mismatches 54; Indels 10; Gaps 6;

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Db 61 GTGACAAACCTTTAAGCGCGAATTAATGCTATCTTCTTATACATGGCAATATGTGGCA 120
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Job time : 1054 secs

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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: January 21, 2004, 14:51:06 ; Search time 180 Seconds
(without alignments)
8067.503 Million cell updates/sec

Title: US-09-981-353-172
Perfect score: 3290
Sequence: 1 cggcgctcctcgcgcgtc.....agtttttagaaaaaaa 3290

Scoring table: IDENTITY_NUC
Gapop 10.0, Gapext 1.0

Searched: 569978 seqs, 220691566 residues

Total number of hits satisfying chosen parameters: 1139956

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match Length	ID	Description
1	3172	96.4	3211 1	US-07-674-287B-1 Sequence 1, Appl
2	3172	96.4	3211 2	US-08-436-900A-1 Sequence 1, Appl
3	2133	64.8	3260 1	US-07-674-287B-3 Sequence 3, Appl
4	2131.4	64.8	3260 2	US-08-436-900A-3 Sequence 3, Appl
5	617.2	18.8	3175 1	US-08-050-684-1 Sequence 1, Appl
6	617.2	18.8	3175 1	US-08-582-719-1 Sequence 1, Appl
7	495.2	15.1	662 3	US-09-328-111-623 Sequence 623, App
8	451.4	13.7	613 3	US-09-328-111-521 Sequence 521, App
9	393	11.9	643 3	US-09-328-111-269 Sequence 269, App
10	99.8	3.0	1830121 4	US-09-557-884-1 Sequence 1, Appl
11	99.8	3.0	1830121 4	US-09-643-990A-1 Sequence 1, Appl
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13	87	2.6	1407 4	US-09-252-991A-6303 Sequence 6303, App
14	86	2.6	1230365 4	US-09-198-452A-1 Sequence 1, Appl
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17	62.2	1.9	7218 1	US-08-232-463-14 Sequence 14, Appl
18	58.6	1.8	1029 4	US-09-134-001C-2591 Sequence 2591, App
19	55.6	1.7	783 4	US-09-252-991A-6003 Sequence 6003, App
20	54.4	1.7	585 4	US-09-252-991A-6083 Sequence 6083, App
21	52.2	1.6	7218 1	US-08-232-463-14 Sequence 14, Appl
22	42.2	1.3	289 3	US-09-007-005-17 Sequence 17, Appl
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29	40.2	1.2	1280 4	US-09-670-314-4 Sequence 4, Appl
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31	39.4	1.2	8257 4	US-09-595-684B-30 Sequence 30, Appl
32	39.4	1.2	8503 4	US-09-620-312D-130 Sequence 130, App
33	39.4	1.2	16442 3	US-08-781-891-208 Sequence 208, App
34	39.4	1.2	16442 4	US-09-618-166-208 Sequence 208, App
35	39.2	1.2	521 3	US-09-488-744A-10 Sequence 10, Appl
36	39.2	1.2	1028 3	US-08-118-200-1 Sequence 1, Appl
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38	38.8	1.2	3399 4	US-09-351-224E-9 Sequence 9, Appl
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43	37	1.1	366 4	US-09-620-405B-278 Sequence 278, App
44	37	1.1	366 4	US-09-339-338-278 Sequence 278, App
45	37	1.1	366 4	US-09-433-826B-278 Sequence 278, App

ALIGNMENTS

RESULT 1
US-07-674-287B-1
Sequence 1, Application US/07674287B
Patent No. 5414076
GENERAL INFORMATION:
APPLICANT: Bryan Mark O'Hara
TITLE OF INVENTION: Glibon Ape Leukemia
TITLE OF INVENTION: Virus Receptor
NUMBER OF SEQUENCES: 3
CORRESPONDENCE ADDRESS:
ADDRESSEE: Dr. Karen A. Lowney
STREET: 1937 West Main Street
STREET: P.O. Box 60
CITY: Stamford
STATE: CT
COUNTRY: USA
ZIP: 06904-0060
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy Disk
COMPUTER: IBM PC AT
OPERATING SYSTEM: MS-DOS
SOFTWARE: ASCII converted from IBM DM4
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/674,287B
FILING DATE: 19910325
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Lowney, Karen A., Dr.
REGISTRATION NUMBER: 31,274
REFERENCE/DOCKET NUMBER: 31,104-01
TELECOMMUNICATION INFORMATION:
TELEPHONE: 203 321 2361
TELEFAX: 203 321 2971
TELEX: 710 474 4059
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 3211 Base Pairs
TYPE: NUCLEOTIDE SEQUENCE
STRANDEDNESS: Single
TOPOLOGY: Linear
MOLECULE TYPE: DNA
US-07-674-287B-1
Query Match 96.4%; Score 3172; DB 1; Length 3211;
Best Local Similarity 99.7%; Pred. No. 0;
Matches 3180; Conservative 0; Mismatches 8; Indels 1; Gaps 1;

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QY 217 TCGTCGCTGCTTTTAGCCCTCTGAGCCAAAGAAACCCGAGCAACGATGGCCATACGC 276
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QY 277 AGCGATAGCAGTAAGTACCCGAGCTCGGCTTCTGTGCGGTAGTTTACAGTATTTAATTTT 336
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QY 337 AT 336
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QY 397 GAAAGGCGCTCAGTATGCTCTTACTATAACCAACCACTACTCCAGAGATGSCAACGGTGA 456
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QY 1417 AGGAAGCTCCAGAGAGAGAGAGGCTTCCAGGCTGACCTTGAAGAGAGAACAGAGATAG 1476
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DB 1524 CCGGCTGTAAAGAGCTATCTCAATTAATCAATCTTCCAGAGGTGGAGATTTGATG 1583
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DB 1584 GAGACTCCGCTGCAAAACCTTTAAGCGCAATTAATGCTATCTTCAATCAATGAGCA 1643
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Qy	3097	TTATTTGCTAAGAGAGATTAAGAAAGAAAGCCTGTGTGCAATCTTGTGTTATTTCTTTAA	3156
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Qy	3157	GATTTCTGCAAGTGTGGGATGTGATTAATGAAGTGAATGTGAACTTTGGGCAAGTTAAAT	3216
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Qy	3217	GGGACAGGCTTCCATGTTCAATTTGTCTACCTCTTAACTGAATTAATAAAGCCTACAGTTT	3276
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US-08-436-900A-1
: Sequence 1, Application US/08436900A
: Patent No. 5874264
: GENERAL INFORMATION:
: APPLICANT: O'Hara, M. Bryan M.
: TITLE OF INVENTION: Gibbon Ape Leukemia Virus Receptors
: NUMBER OF SEQUENCES: 4
: CORRESPONDENCE ADDRESS:
: ADDRESS: American Home Products
: STREET: One Campus Drive
: CITY: Parsippany
: STATE: New Jersey
: COUNTRY: U.S.A.
: ZIP: 07054
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Patentin Release #1.0, Version #1.30
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/436,900A
: FILING DATE: 08-MAY-1995
: CLASSIFICATION: 536
: ATTORNEY/AGENT INFORMATION:
: NAME: Barnhard, Elizabeth M.
: REGISTRATION NUMBER: 31,088
: REFERENCE/DOCKET NUMBER: 31,104-03
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 201-683-2158
: TELEFAX: 201-683-4117
: INFORMATION FOR SEQ ID NO: 1:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 3211 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: single
: TOPOLOGY: linear
: MOLECULE TYPE: DNA (genomic)
: US-08-436-900A-1

Query Match      96.4%; Score 3172; DB 2; Length 3211;
Best Local Similarity 99.7%; Pred. No. 0;
Matches 3180; Conservative 0; Mismatches 8; Indels 1; Gaps 1

QY      97  CCGACCCGGGCGGTGTGCGCGGTGCTGACGCCGCTGCGCGCTGCATCTCTCTGCTCCGC 156
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Db      144  TGTCCCGTGTCTTTAGCCCTCTGAGCCAAAGAAACCCAGACAACAGATGCCCATAGC 203

QY      277 AGCGTATAGCAGTACTCCCGAGCTCGGTTTCTGTGCGGTAAGTTTACAGTATTAATTT 336
Db      204  AGCGTATAGCAGTACTCCCGAGCTCGGTTTCTGTGCGGTAAGTTTACAGTATTAATTT 263

QY      337 ATATATATATATATATATATATATATATATATATATATATATATATATATATATATAT 396
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QY      397 GAAAGGCGCTCAGTACTCTCTTACTAAACAACACTACTCCAGAGAAATGGCAACGCTGA 456
Db      324  GAAAGGCGCTCAGTACTCTCTTACTAAACAACACTACTCCAGAGAAATGGCAACGCTGA 383

QY      457 TTACCACTACTACAGCTGCTACCGCGCGCTTGTGTCCTTTGGTGACTACTATGATGC 516
Db      384  TTACCACTACTACAGCTGCTACCGCGCGCTTGTGTCCTTTGGTGACTACTATGATGC 443

QY      517 TCATCCCTGGGCTTCAATATATGCAATTTGCTTGGCAATTCGCTGGAGCAATGATGATG 576

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Db 504 CAATTTCTTTGGTACAGTGTGGGCTCAGATGATGACCTTGAAAGCAAGCTGCATCC 563
Qy 637 TAGCTAGCATCTTTGAAAAGAGTGGGCTCTGTCTTTACTGGGGGGCCAAAGTAGCGAAACA 696
Db 564 TAGCTAGCATCTTTGAAAAGAGTGGGCTCTGTCTTTACTGGGGGGCCAAAGTAGCGAAACA 623
Qy 697 TCCGGAAAGGCTTATGATGATGAGATGTACAACTGCACTCAAGGGCTACTGATGGCCG 756
Db 624 TCCGGAAAGGCTTATGATGATGAGATGTACAACTGCACTCAAGGGCTACTGATGGCCG 683
Qy 757 GCTCAGTCAGTGTATGTTGGTCTCTGCTGATGGCAACTCGTGGCTTCGTTTTGAAAGC 816
Db 684 GCTCAGTCAGTGTATGTTGGTCTCTGCTGATGGCAACTCGTGGCTTCGTTTTGAAAGC 743
Qy 817 TCCCTATTTTGTGAACCCATTTGTAATGTTGGTGCACATATGTTTCTCCCTGTGGCAA 876
Db 744 TCCCTATTTTGTGAACCCATTTGTAATGTTGGTGCACATATGTTTCTCCCTGTGGCAA 803
Qy 877 AGGGGACGAGGGGTGTAAAGTGTCTGATCTGATTAATAATTTGATGATCTTGGTGTCTG 936
Db 804 AGGGGACGAGGGGTGTAAAGTGTCTGATCTGATTAATAATTTGATGATCTTGGTGTCTG 863
Qy 937 CCCCACTGCTTTCTGAAATTTATGTCGGAATTTTATCTTCTGCTGCTGTCATTCATCC 996
Db 864 CCCCACTGCTTTCTGAAATTTATGTCGGAATTTTATCTTCTGCTGCTGTCATTCATCC 923
Qy 997 TCCATAAGGACAGATCCAGTTCTTAATGTTTGCAGCTTTTGCAGTTTCTATGCTTCGA 1056
Db 924 TCCATAAGGACAGATCCAGTTCTTAATGTTTGCAGCTTTTGCAGTTTCTATGCTTCGA 983
Qy 1057 CAGTTGGAATTAACCTTTTTCATCATGTATGATGAGACCGTGTCTGGGCTTTGACA 1116
Db 984 CAGTTGGAATTAACCTTTTTCATCATGTATGATGAGACCGTGTCTGGGCTTTGACA 1043
Qy 1117 AACCTTCTCTGTGGGGTACCATCCTCATCTCGGTGGGATGTGAGTTTCTGTGCCCTTA 1176
Db 1044 AACCTTCTCTGTGGGGTACCATCCTCATCTCGGTGGGATGTGAGTTTCTGTGCCCTTA 1103
Qy 1177 TCGTCTGGTCTTTGTATGTCCTCCAGATGAGAAATTTGAAAGAAATTAAGTGA 1236
Db 1104 TCGTCTGGTCTTTGTATGTCCTCCAGATGAGAAATTTGAAAGAAATTAAGTGA 1163
Qy 1237 GTCTTCTGAAAGCCCTTATGAGAAAAAAGATGCTTGAAGAGACATGAGAA 1296
Db 1164 GTCTTCTGAAAGCCCTTATGAGAAAAAAGATGCTTGAAGAGACATGAGAA 1223
Qy 1297 CAAGTTGTCTGTGTGATTAAGAAACAAGCATCTGTTTCTGAGGTGAGGCTGCCA 1356
Db 1224 CAAGTTGTCTGTGTGATTAAGAAACAAGCATCTGTTTCTGAGGTGAGGCTGCCA 1283
Qy 1357 CTGTGCCCTTCCAGGCTGTGTGAGAGAGAAACAGTCTCATTTCAAACTTGAAGATTGG 1416
Db 1284 CTGTGCCCTTCCAGGCTGTGTGAGAGAGAAACAGTCTCATTTCAAACTTGAAGATTGG 1343
Qy 1417 AGGAAGTCTCAGAGAGAGAGAGCTTCCAGCGTGTGACTTGAAGAGAGAAACAGCATAG 1476
Db 1344 AGGAAGTCTCAGAGAGAGAGAGCTTCCAGCGTGTGACTTGAAGAGAGAAACAGCATAG 1403
Qy 1477 ATAGACCGGTGAATGTGACAGTGTGCTTAATGGAACCTTGTCTCAGTTCAGTCAAG 1536
Db 1404 ATAGACCGGTGAATGTGACAGTGTGCTTAATGGAACCTTGTCTCAGTTCAGTCAAG 1463
Qy 1537 CCGTCAGCAACCAATTAATCTCAGTGGCACTACAGATCAACCCGTGCATTAAGGATT 1596
Db 1464 CCGTCAGCAACCAATTAATCTCAGTGGCACTACAGATCAACCCGTGCATTAAGGATT 1523
Qy 1597 CCGGCTGTACCAAGAGACTACTCATTAATTAATTAATCTTGGCAAGGTGGAGATTGCAATG 1656
Db 1524 CCGGCTGTACCAAGAGACTACTCATTAATTAATTAATCTTGGCAAGGTGGAGATTGCAATG 1583

Qy 1657 GAGACTCCGGTGAACAAACCTTTAAGGCGAATATAGTATATCTTCTATACCATGGCAA 1716
Db 1584 GAGACTCCGGTGAACAAACCTTTAAGGCGCAATATAGTATATCTTCTATACCATGGCAA 1643
Qy 1717 TATGTGGCATGTCTCTGATTTCACTTCCGTGCCAAAGATGTGAACGAAGGGGAGAGAA 1776
Db 1644 TATGTGGCATGTCTCTGATTTCACTTCCGTGCCAAAGATGTGAACGAAGGGGAGAGAA 1703
Qy 1777 TGGAGAAGCTGACATAGGCTTAATGACAGACTCCAAAGAGGAATTCGAATGACAGTTTACA 1836
Db 1704 TGGAGAAGCTGACATAGGCTTAATGACAGACTCCAAAGAGGAATTCGAATGACAGTTTACA 1763
Qy 1837 CCAGTTACTGCAATGTCTGTGTGACCTTCACTCAGCAATCTGAGATGACATGATGTGCA 1896
Db 1764 CCAGTTACTGCAATGTCTGTGTGACCTTCACTCAGCAATCTGAGATGACATGATGTGCA 1823
Qy 1897 AGGCAAGATGGGTCTAGGTGACAGAAAGAAAGATTAATGGCTCTCTAGAAAGAAATGGTATG 1956
Db 1824 AGGCAAGATGGGTCTAGGTGACAGAAAGAAAGATTAATGGCTCTCTAGAAAGAAATGGTATG 1883
Qy 1957 ACCAGGATTAAGCTGAAGTCTCTCTCTCTTCCAGTTCTGACAGATCTTACAGCTGTCT 2016
Db 1884 ACCAGGATTAAGCTGAAGTCTCTCTCTCTTCCAGTTCTGACAGATCTTACAGCTGTCT 1943
Qy 2017 TTGGGTCAATTCGCCCATGTGGTGGCAATGACATGACAAATGCAATGGGCTCTGTGTTGCTT 2076
Db 1944 TTGGGTCAATTCGCCCATGTGGTGGCAATGACATGACAAATGCAATGGGCTCTGTGTTGCTT 2003
Qy 2077 TATATTTGGTTTATGACACAGAGATGTTTCTTCAAAATGTGGCAACCAATATGGCTTC 2136
Db 2004 TATATTTGGTTTATGACACAGAGATGTTTCTTCAAAATGTGGCAACCAATATGGCTTC 2063
Qy 2137 TACTATATGATGATGTTGGATCTGTGATCTGTGATGATGATGATGATGATGATGATGATG 2196
Db 2064 TACTATATGATGATGTTGGATCTGTGATCTGTGATGATGATGATGATGATGATGATGATG 2123
Qy 2197 AGACATGGGGAGAGATCTGACACCGATCACACCTCTAGATGGCTTCAGTATTTGAACTGG 2256
Db 2124 AGACATGGGGAGAGATCTGACACCGATCACACCTCTAGATGGCTTCAGTATTTGAACTGG 2183
Qy 2257 CATCTGCCCTCACTGTGTGTGATTTGATCAAAATTTGGCCCTTCCATCAGTACCAACATT 2316
Db 2184 CATCTGCCCTCACTGTGTGTGATTTGATCAAAATTTGGCCCTTCCATCAGTACCAACATT 2243
Qy 2317 GTAAAGTGGGCTCTGTGTGTGATTTGATGATGATGATGATGATGATGATGATGATGATG 2376
Db 2244 GTAAAGTGGGCTCTGTGTGTGATTTGATGATGATGATGATGATGATGATGATGATGATG 2303
Qy 2377 GTCTCTTGTGTAACATTTTATGATGATGATGATGATGATGATGATGATGATGATGATG 2436
Db 2304 GTCTCTTGTGTAACATTTTATGATGATGATGATGATGATGATGATGATGATGATGATG 2363
Qy 2437 GTCTGCCATCATGTGCAATCTTCAATATGTCAATCTCAGAAATGTGAACCTGTTTGAAGT 2496
Db 2364 GTCTGCCATCATGTGCAATCTTCAATATGTCAATCTCAGAAATGTGAACCTGTTTGAAGT 2423
Qy 2497 TAAATTTGTGTCAATGTTTGGGACCATCTTAGATTTCTGCTGCCCTGAGAAATGATT 2556
Db 2424 TAAATTTGTGTCAATGTTTGGGACCATCTTAGATTTCTGCTGCCCTGAGAAATGATT 2483
Qy 2557 ACAGTGTAAACAGAACTGACAAAGTCTTTTATTTGGAGCCAGAGAGAGAAAGTGT 2616
Db 2484 ACAGTGTAAACAGAACTGACAAAGTCTTTTATTTGGAG-CAAGAGAGAGAAAGTGT 2542
Qy 2617 TACTTGTGCTAATACGTCTTTTGTGTAAATATGATTTGTCTCAAAATTAATAGTGTGTA 2676
Db 2543 TACTTGTGCTAATACGTCTTTTGTGTAAATATGATTTGTCTCAAAATTAATAGTGTGTA 2602
Qy 2677 ATAGCCGGGATTCATGTGCTCTGTGAGTCCCTTCTCTTCTGGGCTGTGAATTTCT 2736
Db 2603 ATAGCCGGGATTCATGTGCTCTGTGAGTCCCTTCTCTTCTGGGCTGTGAATTTCT 2662

QY 3140 CTTGGTATTCTTTAAGATTTCTGCGAGTGTGGAGTGAATGAATGAATGAA 3199
 DB 3113 TGTGTTATCTCTGAGATTTCTGCGAGTGTGGAGTGAATGAATGAATGAA 3172
 QY 3200 CTTGGGCAAGTAAATGGGACAGCCTTCATGTTCTTCTACTCTTAATGAAT 3259
 DB 3173 CTTGGGCAATTAATGAAGGACAGCCTTCATGTTCTTCTACTCTTAATGAAT- 3231
 QY 3260 AAAAGCTTACAGTTTATAGAAAAAAA 3288
 DB 3232 AAAAGCTTACAGTTTATAGAAAAAAA 3260

RESULT 4

US-08-436-900A-3
 ; Sequence 3, Application US/08436900A
 ; Patent No. 5874264
 ; GENERAL INFORMATION:
 ; APPLICANT: O'Hara, Bryan M.
 ; TITLE OF INVENTION: Gibbon Ape Leukemia Virus Receptors
 ; NUMBER OF SEQUENCES: 4
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: American Home Products
 ; STREET: One Campus Drive
 ; CITY: Parsippany
 ; STATE: New Jersey
 ; COUNTRY: U.S.A.
 ; ZIP: 07054
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patent Release #1.0, Version #1.30
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/436,900A
 ; FILING DATE: 08-MAY-1995
 ; CLASSIFICATION: 536
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Barnhard, Elizabeth M.
 ; REGISTRATION NUMBER: 31,088
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 201-683-2158
 ; TELEFAX: 201-683-4117
 ; INFORMATION FOR SEQ ID NO: 3:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 3260 base pairs
 ; TYPE: nucleic acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: DNA (genomic)
 ; FEATURE:
 ; NAME/KEY: CDS
 ; LOCATION: 443..2488
 ; US-08-436-900A-3

Query Match 64.8%; Score 2131.4; DB 2; Length 3260;
 Best Local Similarity 84.5%; Pred. No. 0;
 Matches 2661; Conservative 0; Mismatches 421; Indels 67; Gaps 21;
 QY 162 CCCTCCCTTTCCCTGAGTGAATCTGCGTCTTCTTCTCCGAGTGAATTCGCTC 221
 DB 157 CACTTGTCCTCCCTCCAGAGTGAATCTGCGTCTTCTTCTATCGCATGGAATTCGCTC 216
 QY 222 CGTGTCTTTAGCCCTCTCTGAGCAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAG 278
 DB 217 CGGTCTTTTAGCCCTCCAGAGCAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAG 276
 QY 279 CGTATGACGATACCTCCAGAGTGTGTTCTGTGCGGTAGTTTACAGTATTTAATTTAT 338
 DB 277 CGTATGACGATACCTCCAGAGTGTGTTCTGTGCGGTAGTTTACAGTATTTAATTTAT 336
 QY 339 AATAAT 398

DB 337 AATAAT 393
 QY 399 AAGGGGCTCAGTATGTTCTCTTA-----CTAACAACACTACTCCAGAGAA----- 444
 DB 394 AAGCGGCTTAGTAATTTCTTTATATTTAAGAACCACTACCTAAGTAAGTAATCTAC 453
 QY 445 --TGGCAACGATATACCAAGTACCTACAGCTGTACCGCGCTTGTGCTCTTGTGTGA 502
 DB 454 TGTGGCAAGATTAATCTAGTACCTAGCTGTGTATGTCTGCGCTCCAGCGAAGTATA 513
 QY 503 CTACTATGATGCTCATCTCGGCTTCAATTATGATTTGTCTTGGCAATTCCTCGTGG 562
 DB 514 CAATCTATGATGCTCATCTCGGCTTCAATTATGATTTGTCTTGGCAATTCCTCGTGG 573
 QY 563 AGCAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 622
 DB 574 AGCAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 633
 QY 623 GCAAGCTGATCTAGTATGATGATGATGATGATGATGATGATGATGATGATGATGAT 682
 DB 634 GCAAGCTGATCTAGTATGATGATGATGATGATGATGATGATGATGATGATGATGAT 693
 QY 683 AGTGAAGCAACCATCCGGAAGGCTTGAATGATGATGATGATGATGATGATGATGAT 742
 DB 694 AGTGAAGCAACCATCCGGAAGGCTTGAATGATGATGATGATGATGATGATGATGAT 753
 QY 743 GCTACTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 802
 DB 754 TGTGCTCATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 813
 QY 803 TTGCTTTTGAAGTCCCTATTTCTGGAACCATGATGATGATGATGATGATGATGATGAT 862
 DB 814 TTGCTTTTGAAGTCCCTATTTCTGGAACCATGATGATGATGATGATGATGATGATGAT 873
 QY 863 CTCCTCTGTGCAAAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAT 922
 DB 874 CTCCTCTGTGCAAAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAT 933
 QY 923 GTCTGTGCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 982
 DB 934 GTCTGTGCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 993
 QY 983 TGTGATTCATCTCTCATTAAGAGATGATGATGATGATGATGATGATGATGATGATGAT 1042
 DB 994 TGTGATTCATCTCTCATTAAGAGATGATGATGATGATGATGATGATGATGATGATGAT 1053
 QY 1043 TTTCTATGCTGACAGTGAATAAACTCTTTTCCATCATGATATCTGAGACCGTT 1102
 DB 1054 TTTTATGCTGACAGATGGAATCAACTTTTCCATTAATGATATCTGAGACCGTT 1113
 QY 1103 GGTGGGCTTTGACAAATCTCTGTGGGATACATCTCATCTGCTGGTGGATGTCAGT 1162
 DB 1114 GGTGGGCTTTGACAAATCTCTGTGGGATACATCTCATCTGCTGGTGGATGTCAGT 1173
 QY 1163 TTTCTGTGCTTATGCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1222
 DB 1174 TTTCTGTGCTTATGCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1233
 QY 1223 AGAAATTAAGTATGCTCTTCTGAAAGCCCTTAAATGAAAGAAAGAAATGCTGAAGA 1282
 DB 1234 AGAAATTAAGTATGCTCTTCTGAAAGCCCTTAAATGAAAGAAAGAAATGCTGAAGA 1293
 QY 1283 AGACCATGAAGAAACAAAGTTGTCTGTGTGATATGAAACCAAGCATCTCTGTTCTGA 1342
 DB 1294 AGACCATGAAGAAACAAAGTTGTCTGTGTGATATGAAACCAAGCATCTCTGTTCTGA 1353
 QY 1343 GGTAGGAGCTGTGCACTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1402
 DB 1354 GGTAGGAGCTGTGCACTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1413
 QY 1403 ACTTGAGATTTTGAAGAGGCTTCAAGAGAGAGAGGCTTCCAGCTGAGCTTGAAGA 1462

Dp	1414	ACTGTGGTGA	CCTGGAGGAGGCTCCGGAGCGAGACGGGCTTCCCA	---	TGACCTGAAGGA	1470
Qy	1463	GGAAACCA	GACATAGATAGACACCGTGAAATGGTGCAGTGCATGTTGCTTAATGGGAACCTTGT			1522
Dp	1471	GGAAACCA	GACATAGACACCAATCAATATGGTGCAGTGCAGTTGCTTAATGGGAACCTTGT			1530
Qy	1523	CCAGTTAC	GTACAGCCGTCAGACCAAAATPMAATCCGATGGGACATACACAGTATTCACAC			1582
Dp	1531	TCAGTTAC	GTACAACTGTACGAAACCAAGATCAATCCAGTGGCCATATCAATATCACAC			1590
Qy	1583	CGTGCATP	AGGATTCCTGGGCTGTACAAAGAGCTACTCCATTAATTAATACATTTGGCAAGT			1642
Dp	1591	CGTGCATP	AGGATTCCTGGGCTGTACAAAGAGCTCTCCATTAATTAATACATTTGGCAAGT			1650
Qy	1643	GGGAGATT	GCATGGGAGATCTCCGCTGACAAACCTTTAAGGCGCAATATATAGCTATCTTC			1702
Dp	1651	GGGAGATT	GCATGGGAGATCTCCGCGGACACAGCCCTTGAGAGCAACACAGCTACATTC			1710
Qy	1703	CTATPACA	TGGCAATATGTGGCAATGCGCTCTGGAATTCATTCCTGGTCCAAAGAGGTGAACA			1762
Dp	1711	CTACACTA	TGGCAATATGTGGCAATGCGCTCTGGAATTCATTCCTGGTCCAAAGAGGTGAACA			1770
Qy	1763	GAAAGG	CCAAATAATGAGAGCTGACATGCGCTTAATGACATCTCAAGACCTCAAGACCAATTCG			1822
Dp	1771	AAAGGAGAT	TAATATGAGAGCGCTGACATGCGCTTAATGACATCTCAAGACCAAGACCAATTCG			1830
Qy	1823	AATGACAC	GATTACACCACTTAATCTGCAATGCTGTCTGACATCTTCACTCAGCATTTGAGAT			1882
Dp	1831	AATGACAC	GATTACACCACTTAATCTGCAATGCGGTGTCTGACATCTTCACTCAGCATTTGAGAT			1890
Qy	1883	AGACATGAT	CTCAAGGAGATGGGCTTAATGATGACAGAAAGAAAGATATATGCTCTCT			1942
Dp	1891	AGACATGAT	CTCAAGGAGATGGGCTTAATGATGAGAGAAAGAAAGATATATGCTCTCT			1950
Qy	1943	AGAAAGAT	TGATATGACACAGATAAGCCCTGAAGTCTCTCTCCTTCTTCCAGTTCCCTGCAGAT			2002
Dp	1951	TGAAGAT	TGATATGACACAGATATAGCTGAAGTGTCTCTCTTCCAGTTCCCTGCAGAT			2010
Qy	2003	CCTTACAG	CCCTGTGGTCAATTCGCCCATGTTGGCAATACGTCACAGCAATGSCCATTTGG			2062
Dp	2011	CCTTACAG	CCCTGTGGTCAATTTGGCCCATGTTGGCAATACGTCACAGCAATGSCCATTTGG			2070
Qy	2063	GCCTCTG	TGCTTTATATTTGGTTATATGACACAGGAAATGTTTCTTAAGTGGCAAC			2122
Dp	2071	CCCTCTG	TGCTTTATATTTGGTTATATGACACAGGAAATGTTTCTTAAGTGGCAAC			2127
Qy	2123	ACCAATAT	TGCGCTTACTCTATATGGTGGTGGTATCTGTGTGGTCTGTGGGTTTGGG			2182
Dp	2128	ACCAATAT	TGCGCTTACTCTATATGGTGGTGGTATCTGTGTGGTCTGTGGGTTTGGG			2187
Qy	2183	AAGAAAGT	TATTCAGACCATATGGGAAAGATCTGACACGATTCACACCTCTTAATGTCCTT			2242
Dp	2188	AAGAAAGT	TATTCAGACCATATGGGAAAGATCTGACACCGATTCACACCTCTTAATGTCCTT			2247
Qy	2243	CAGTATTA	TGGAATGCGCATCTGCCCTCACTGTGTATATGCAATCAAAATATTTGGCTTTCCAT			2302
Dp	2248	CAGTATTA	TGGAATGCGCGTCTGCCCTTAATCTGTGTATATGCAATCAAAATATTTGGCTTTCCAT			2307
Qy	2303	CAGTACAA	CAATTTGAAATGAGGGGCTGTGTGTCTGTGGCTGGCTCCGATCCAAAGAA			2362
Dp	2308	CAGCACA	CAATTTGAAATGAGGGGCTGTGTGTCTGTGGCTGGCTCCGATCCAAAGAA			2367
Qy	2363	GGCTTTGA	CTGACGCTCTCTTCTGTACATTTTATATGGCTGGTGTGTACAGTCCCAT			2422
Dp	2368	GGCTTTGA	CTGACGCTCTCTTCTGTACATTTTATATGGCTGGTGTGTACAGTCCCAT			2427
Qy	2423	TTCTGAGT	TATCAAGTCTGCCCATATGGCAATCTTTCAGATATGTCAATCTCAGAAATGTG			2488
Dp	2428	CTCTGGG	GTATCAATGTCCGCTATATGGCAATCTTTCAGATATGTCAATCTCAGAAATGTG			2493
Qy	2483	AAGCTGT	TGAATTTAAATTTGTGTCAATGTTTGGGCAATCTTAAGATATTTCCGCTCC			2542
Dp	2488	AGGCT---	GGGTGAAAGCTGTGTCAATGTTTGGGCAATCTTAAGATATTTCCGCTCC			2547

QY		2543	CTGAGAAATGANTTACAGTGTTTAACAGAGAATCGACAAGAGTCCTTTATTGTGGACCACCA	2602
Dd		2543	CTGAGGAAGGCCTCACAGTG-TGGCTGGAAGACAGGAGGAGTCTC-----TAAAGAGACCCG	2596
QY		2603	GAGAGAGGAAGTGTTACTTGTGCTATAAAGTCCTTTGTGCTAAATATGAATATGTCGAAA	2662
Dd		2597	TGGAGAGGAAGTGTAATTACATATATATGCTTTGTGCTAAATATGAAGTATATCTCAA	2656
QY		2663	ATTAGCTGTGTAAANAIVGCCCGGGTCCACTGGCTCCTGCTAGAGTCCCCTTTCCTCTG	2722
Dd		2657	ATTAGCATATGTAANAATVGCACAGGTTTCCATTGATTCATTCCAAGGT-CCCTTTCCTCTG	2715
QY		2723	GGCGTGAATTCCTGTGATATATTTCTCTACTTTTGTATCAGAGCTTCAATTCATTAATGT	2782
Dd		2716	GGCATATAAATTCCTGACATATATTTCTTAC-TTTGTATCAGGCTCAATTCAGATATGT	2774
QY		2783	TTTAAATGTGTCTCTGGAAGTAGACTGTGTGATTTTTTTTTCTTTTTTAAACATGAGA	2842
Dd		2775	TTTAAATGTGTCTGTGA-----GATTAATTAGTGGGTTCTTTTTTAAACAGCCAGCA	2836
QY		2843	GCCGTTTGACAGAGCATGCTCTGGCTGTGTGTTTCAACAGCTTCTGCGCTCAGATGAC	2902
Dd		2827	GAGCCATTTGATGCAATGTAAGTGTGTTGTGGCTCACAGCTCTTCCCAACATGAC	2886
QY		2903	AGGATTTAACAAACAAAAATATACTACAACTTCCCTGTAGTCTCTTAATTAAGTAGAG	2962
Dd		2887	AGGATTTAACAAATGTAAGTAACTGAAGTCCCTCCCTCATATGCTCTCATATGAANAATGTC	2946
QY		2963	TCCTTGTACTCTGCCCCCTCTGTGATGATGAGTAGTGAGATCTATTTGGGAGCTT	3022
Dd		2947	AC---GGCAGCTCTGCTC-CTGTGTACATGAGGACAGGTTCTGTGTG--ATGTGTGCAACTT	3000
QY		3023	CTTGAGAGGAATGAGAGTCTTTGAACACAGTGAAATTTAAT---TAGTACTTTTTTGC	3079
Dd		3001	CTTGAGAGGCCGGAATATCTTTG-GCAAGTGGAAATATTAAGTTGTAGTAACTCTTTGC	3055
QY		3080	AAGCAGTTTATGACTGTATTATGTCTAAGAGAAAGTAAGAAAAAAGCCGTGTGGCAAT	3139
Dd		3060	AAACAGTTTACGGAC-AATGTGTGTAAGAACAGGAGAGACAAA-----GCCCTGGCGGT	3112
QY		3140	CTTGCTTATTTCTTTAAGATTTCTGGCAGTGTGGATGTAGATGAAATGAAATGTGA	3199
Dd		3113	TGTGTATATCTCTGTGATTTCTGGCAGTGTGGATGTGGATGAAATGAAATGTGA	3172
QY		3200	CTTGAGGGAATTAATGAGACAGGCTTCATTTCTTCACTCTTAAGTGAATA	3258
Dd		3173	CTTGAGGGAATTCATATGGACAGGCTTCATTTCTTCACTCTTAAGTGAATA	3231
QY		3260	AAAAAGCTACAGTTTTTGAAAAAAAAA	3288
Dd		3232	AAAAAGCTACAGTTTTTGAAAAAAAAA	3260
 RESULT 5 US-08-050-684-1 Sequence 1, Application US/08050684 Patent No. 5550221 GENERAL INFORMATION: APPLICANT: Johann Dr., Stephen V. APPLICANT: Van Zeijl Dr., Marja TITLE OF INVENTION: Amphotropic Virus Receptor NUMBER OF SEQUENCES: 2 CORRESPONDENCE ADDRESS: ADDRESSEE: American Cyanamid Company STREET: 1937 West Main Street CITY: Stamford STATE: CT COUNTRY: United States of America ZIP: 06904-0060 COMPUTER READABLE FORM: MEDIUM TYPE: Floppy disk				

COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patentin Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/050,684
 FILING DATE: 16-APR-1993
 CLASSIFICATION: 536
 ATTORNEY/AGENT INFORMATION:
 NAME: Lowmeyer Dr., Karen A.
 REGISTRATION NUMBER: 31,274
 REFERENCE/DOCKET NUMBER: 31937-00
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 203-321-2361
 TELEFAX: 203-321-2971
 TELEX: 710-474-4059
 INFORMATION FOR SEO ID NO: 1:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 3175 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: cDNA
 HYPOHETICAL: NO
 ANTI-SENSE: NO
 FEATURE:
 NAME/KEY: CDS
 LOCATION: 244..2202
 US-08-050-684-1

Query Match 18.8%; Score 617.2; DB 1; Length 3175;
 Best Local Similarity 60.3%; Pred. No. 7.5e-169;
 Matches 1203; Conservative 0; Mismatches 718; Indels 75; Gaps 8;

496 TGGTGAACCTACCTATGATGCTGATCTGGCTTATTTGATTTGCTTGGCACTTCT 555
 251 TGGATAGATTTGATGATGCTATTTGGTTTCATATGCTTTCATCTTGGCTTTT 310
 556 CCGTGGAGGCAATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 615
 311 CTGTTGATGCAACGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 370
 616 CCTTGAAGCAAGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 675
 371 CCTTGAAGCAAGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 430
 676 GGGCCAAAGTGAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCA 735
 431 GCGCCAAAGTGAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCA 490
 736 CTCAAGGGCTACTGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 795
 491 CCGTGAAGCTCTCATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 550
 796 TCGTGAAGCTCTCATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 855
 551 TGAATGCTCTCTCATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 610
 856 TTGCTTTCT 915
 611 TAGAGATTCATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 670
 916 TTGCTTTCT 975
 671 TTGCTTTCT 730
 976 TCGTGAAGCTCTCATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1035
 731 TACTCATCAGAAATTTTCTTAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAG 790
 1036 TCGCAATTTTCTTCT 1095
 791 TCCAGATATTTCTTCT 850

1096 CACCGTGTGGGCTTTGACAACTTCTCTGTGGGATGATGATGATGATGATGATGATGAT 1155
 851 CACGAGTGTGGGCTTTGACAACTTCTCTGTGGGATGATGATGATGATGATGATGATGAT 907
 1156 GTGCAATTTCT 1215
 908 TCGCCCT 967
 1216 TTGAAGCAAAATTAAGTATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1275
 968 TTAAGCAAAATTAAGTATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1027
 1276 TGAAGCAAAATTAAGTATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1335
 1028 AGGTTGAGAGCAAGTCTCCAGATTT-----TAAAGCTACCAAG 1070
 1336 TTTCTGAGTATGAGGCTCTGATGATGATGATGATGATGATGATGATGATGATGATGAT 1395
 1071 TGCAGAGCTTAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1122
 1396 CATTCAACTTGAAGTATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1455
 1123 -----ACCTTGGAGACTGGAAGGCACTTCTGCG-----GGCAGCCACTCGGAGCT 1170
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 1171 GCAATGCAAGAGCACTGTCATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1230
 1516 ACCCTGTCAGTTCAAGTCAAGGCTCTGATGATGATGATGATGATGATGATGATGATGAT 1575
 1231 ACCCT-----CGGCTTCAAGGCTCTGATGATGATGATGATGATGATGATGATGATGAT 1273
 1576 ATCAACCGGTGATTAAGTATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1635
 1274 ACCAAGCGGTGATTAAGTATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1333
 1636 CCAAGGTGATTAAGTATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1689
 1334 ACAGGGGCGCGAG 1393
 1690 ATAGCTATCTTCTTATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1749
 1394 ACAGTTACACTGTCATACCGGAGCTTTGGGCTGTCAGTGAACGCACTTTCGAG 1453
 1750 AAGAGTGAACAG 1806
 1454 CTGCGAGCTCATGCGGCCAG 1513
 1807 CCAAG 1866
 1514 CCAAG 1573
 1867 ACTCAGATCTGAGA-----TAGACATGATGATGATGATGATGATGATGATGATGATGAT 1917
 1574 AGATGAG 1633
 1918 AAG 1977
 1634 ACCAGCGGAG 1693
 1978 CT 2037
 1694 ACT 1753
 2038 GCAATGAG 2097
 1754 GCAATGAG 1813
 2098 GAGATGTTCTTCAAG 2157
 1814 GCGGGGTAAAG 1873
 2158 TCTGTGTTGTTCTGTGGGTTTGGGAGAGAGAGATTAACAGACATGGGAGAGATCTGA 2217


```

QY 1516 ACCTTCCAGTTCAGTCAAGCCGTGAGCAACCAATTAATCTCAGTGGCACTACAGT 1575
    |||||
Db 1231 ACCTT-----CGGCTTCGACCGGCCACACAGAGACGACGTCATGTGT 1273
QY 1576 ATCACAACCGTGCAATGAAGATTCGGGCTGTGCAAAAGAGTACTCTCAATTAATCATCTTG 1635
    |||||
Db 1274 ACCACACCGGTGCAAAAGACTCGGGCTCTACAAAGATCTGTGCAAAATCCACATCG 1333
QY 1636 CCAAGTGGAGATTTGATGGAGATCTCGGTGCA-----ACCTTAAGCCGAATA 1689
    |||||
Db 1334 ACAGGGGCCCCGAGAGAACCCGCAAGAAAGAACTACCGGCTGTCCGCGGAACA 1393
QY 1690 ATAGTATATCTTCTTATACATGCAATATATGTGGCAATGCTCTGATTCATTCCTGGCA 1749
    |||||
Db 1394 ACAGTTACACTCTCTACACCGGCACTTTGTGGCTGCGACAGTCAACGCACTTTCCAG 1453
QY 1750 AAGAGGTGAACAGAAAGGCGGAAGAAATGGAAGAGTGAATGGCCTAATG--CAAGCT 1806
    |||||
Db 1454 CTGCGGACTCATCGGCCCGCAGAGAGACGTGAGAAAGCTGGTGGCGACACCGTGTCTACT 1513
QY 1807 CCAAGAAAGGAATTCGAATGGAACAGTTACACAGTTACTGCTGTGTCTGACCTTC 1866
    |||||
Db 1514 CCAAGAAAGAGCTGCGCTACAGACGCTACTGAGCTACTGTAAACGGGTGGCAGAGCGCG 1573
QY 1867 ACTCAGATCTGAG-----TAGACATGAGTGCMAAGCAGAGATGGGCTCTAGGTG 1917
    |||||
Db 1574 AGATCGAGGTGGAGAGGCGCGGTGAGATGAAGCTGGGTGGAGCTGGCCGACCTTG 1633
QY 1918 ACAGAAAGAGAGTAATGAGCTCTCTAGAAAGATGATAGACAGATTAAGCTGAAGTCT 1977
    |||||
Db 1634 ACAGCGCGGAGAGAGACCTTCGACAGAGAGAGAAAGAGAGAGAGAGAGAGAGAGAGAG 1693
QY 1978 CTCTCTCTTCAGGTTCTGCAAGTCTTACAGCTGCTTGTGGGTCAATTCGCCATGGTG 2037
    |||||
Db 1694 ACCTCTGTTCATTTCTGCAAGTCTCTCAACCCCTGTTCGGGTCTCTTTCACAGCGCG 1753
QY 2038 GCAATGACGTAACGTAATGCAATGGGCTGTGGTGTCTTATATATTTGGTTATGACACAG 2097
    |||||
Db 1754 GCAATGACGTAATGCAATGCAATGGGCTGTGGTGTCTTATATATTTGGTTATGACACAG 1813
QY 2098 GAGATGTTCTTCAAAAGTGGCAACCAATATGCTTCTACTCTATGCTGTGTGTGTA 2157
    |||||
Db 1814 GCGGGGTAAAGCAAGAAAGAGCTACACCCGCTGGCTGCTGTTTATGAGAGATTGGA 1873
QY 2158 TCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 2217
    |||||
Db 1874 TCTGCAAGGCTCTGGGTGTGGGGGAGAAAGTGAATCCAGACCAATGGGAGAGACCTCA 1933
QY 2218 CACCGATACACCTCTAGTGGGCTTCAATGATGGAATGGGATCTGCGCTCACTGTGTGTA 2277
    |||||
Db 1934 CTCTCCATCAAGCGGTCAAGGCGCTTCAAGTCAAGCTGGGCTCAAGCTTCAAGTGTGA 1993
QY 2278 TTGCATCAATATATGCGCTTCCATCAGTACAAACAATGTAAGTGGGCTGTGTGTGTA 2337
    |||||
Db 1994 TCGCTCTCAACATCGGGCTTCCAGTACGACCAAGCACTTAAGTGGGCTGTGTGTGTA 2053
QY 2338 CTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 2397
    |||||
Db 2054 CCGTGGGCTGGAATCGCTCCCGCAAGGCTGTGAGCTGGCCCTCTTTCGAAACATCTTCG 2113
QY 2398 TGGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 2457
    |||||
Db 2114 TGGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 2173
QY 2458 TCAGATATGTCATCT 2473
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Db 2174 TCATGTAATGGATCT 2189

```

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; Patent No. 6262333
; GENERAL INFORMATION:
; APPLICANT: Endege, Wilson O.
; APPLICANT: Steimann, Kathleen E.
; APPLICANT: Aetle, Jon H.
; APPLICANT: Burgess, Christopher C.
; APPLICANT: Bushnell, Steven E.
; APPLICANT: Carroll III, Eddie
; APPLICANT: Catino, Theodore J.
; APPLICANT: Dertl, Adnan
; APPLICANT: Ford, Donna M.
; APPLICANT: Lewis, Marcia E.
; APPLICANT: Monahan, John E.
; APPLICANT: Schlegel, Robert
; TITLE OF INVENTION: NOVEL HUMAN GENES AND GENE EXPRESSION
; TITLE OF INVENTION: PRODUCTS
; FILE REFERENCE: CCD-257 (US)
; CURRENT APPLICATION NUMBER: US/09/328,111
; CURRENT FILING DATE: 1999-06-08
; EARLIER APPLICATION NUMBER: US 60/088,801
; EARLIER FILING DATE: 1998-06-10
; NUMBER OF SEQ ID NOS: 850
; SOFTWARE: RastSeq for Windows Version 3.0
; SEQ ID NO 623
; LENGTH: 662
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(662)
; OTHER INFORMATION: n = A,T,C or G
US-09-328-111-623

```

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Query Match      15 1%; Score 495.2; DB 3; Length 662;
Best Local Similarity 90.2%; Pred. No. 8e-134;
Matches 591; Conservative 0; Mismatches 54; Indels 10; Gaps 6;

QY 1606 ACMAAGAGTACTCTCAATAATTACATCTTGCAGAGTGGAGATTGCATGGAGACTCCG 1665
    |||||
Db 1 ACMAAGAGTACTCTCAATAATTACATCTTGCAGAGTGGAGATTGCATGGAGACTCCG 60
QY 1666 GTGACAAACCTTAAAGCGCAATAATAGCTATCTTCTATACATGCAATATGTGGCA 1725
    |||||
Db 61 GTGACAAACCTTAAAGCGCAATAATAGCTATCTTCTATACATGCAATATGTGGCA 120
QY 1726 TGGCTGTGATTCATTTCCGTGCCAAAGAGTGAACAGAAAGGCGCAAAATGAGAAAC 1785
    |||||
Db 121 TGGCTGTGATTCATTTCCGTGCCAAAGAGTGAACAGAAAGGCGCAAAATGAGAAAC 180
QY 1786 TGAATGAGCTTAATGAGAGCTCCAGAAAGCAATTGGAATGGAAGATGACAGTTACT 1845
    |||||
Db 181 TGAATGAGCTTAATGAGAGCTCCAGAAAGCAATTGGAATGGAAGATGACAGTTACT 240
QY 1846 GCAATGCTGTGTGACCTTCACTGAGATGAGATGACATGAGTGTCAAGGACAGAGA 1905
    |||||
Db 241 GCAATGCTGTGTGACCTTCACTGAGATGAGATGACATGAGTGTCAAGGACAGAGA 300
QY 1906 TGGGTGTAGTGAACAGAAAGAA--GTAAATGCTCTCTAGAAAGATGATGACAGGA 1963
    |||||
Db 301 TGGGTGTAGTGAACAGAAAGAAAGAAAGTAAATGAGTGTGATGACAGGA 360
QY 1964 TAAAGCTGAAGTCTCTCTCTCTTCCAGTTCGAGATCTTACAGCTGTGTGGGTG 2023
    |||||
Db 361 TAAAGCTGAAGTCTCTCTCTCTTCCAGTTCGAGATCTTACAGCTGTGTGGGTG 420
QY 2024 ATTGCGCCATGTGTGGCAATGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGT 2082
    |||||
Db 421 ATTGCGCCATGTGTGGCAATGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGT 480
QY 2083 TGGTTTATGACACAGAGATGTTTCTTCAAAAGTGGCAACACAAATA--TGGCTTACTC 2141
    |||||
Db 481 TGGTTTATGACACAGAGATGTTTCTTCAAAAGTGGCAACACCAATATGATGATTTACTC 539

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QY 2142 TAT--GGTGTGTGTGTATCTGTGTGG---TCTGTGGGTTTGGGGAAGAAGATTATCC 2196
|||
Db 540 TATGTGAGGGGGGTTGGGATCTGNGTGTGTGTGTGGGTTTGGGGAAGAAAAGTTTCC 539
|||
QY 2197 AGACCATGGGGGAAGATCTGACACCATCACCCCTCTAGTGGCTTCAAGATTGA 2251
|||
Db 600 CNACTGGGGGAAGATTGTGCNCCTGTACACCTTTAAGGTTTGTATTGA 654
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RESULT 8

US-09-328-111-521
; Sequence 521, Application US/09328111
; Patent No. 626233
; GENERAL INFORMATION:
; APPLICANT: Endege, Wilson O.
; APPLICANT: Steinmann, Kathleen E.
; APPLICANT: Astle, Jon H.
; APPLICANT: Burgess, Christopher C.
; APPLICANT: Bushnell, Steven E.
; APPLICANT: Carroll III, Eddie
; APPLICANT: Carino, Theodore J.
; APPLICANT: Dertli, Adnan
; APPLICANT: Ford, Donna M.
; APPLICANT: Lewis, Marcia E.
; APPLICANT: Monahan, John E.
; APPLICANT: Schlegel, Robert
; TITLE OF INVENTION: NOVEL HUMAN GENES AND GENE EXPRESSION
; TITLE OF INVENTION: PRODUCTS
; FILE REFERENCE: CCD-257 (US)
; CURRENT APPLICATION NUMBER: US/09/328,111
; CURRENT FILING DATE: 1999-06-08
; EARLIER APPLICATION NUMBER: US 60/088,801
; EARLIER FILING DATE: 1998-06-10
; NUMBER OF SEQ ID NOS: 850
; SOFTWARE: PastsEQ for Windows Version 3.0
; SEQ ID NO 521
; LENGTH: 613
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(613)
; OTHER INFORMATION: n = A,T,C or G
US-09-328-111-521

Query Match 13.7%: Score 451.4; DB 3; Length 613;
Best Local Similarity 99.2%: Pred. No. 4.2e-121;
Matches 474; Conservative 0; Mismatches 2; Indels 2; Gaps 2;

QY 1131 GGATCATCTCATCTCGGTGGATGTGCAAGTTTCTGTGCTTATCTGTGTTCTTT 1190
|||
Db 1 GGTACCATCTCATCTCGGTGGATGTGCAAGTTTCTGTGCTTATCTGTGTTCTTT 60
|||
QY 1191 GTATGTCCAGAGATGAAGAAATTTGAACGAGAAATTAAGTGTAGTCTTCTGAAGC 1250
|||
Db 61 GTATGTCCAGAGATGAAGAAATTTGAACGAGAAATTAAGTGTAGTCTTCTGAAGC 120
|||
QY 1251 CCTTATGAAAAAAGATAGCTTGAAGAAACCATGAAGAAACAAATTTCTGTT 1310
|||
Db 121 CCTTATGAAAAAAGATAGCTTGAAGAAACCATGAAGAAACAAATTTCTGTT 180
|||
QY 1311 GGATATTTGAAAAAAGATCTGTTCTGAAGTGGGCTGCACTGTGCCCTCCAG 1370
|||
Db 181 GGATATTTGAAAAAAGATCTGTTCTGAAGTGGGCTGCACTGTGCCCTCCAG 240
|||
QY 1371 GCTGTGTGAGAGAGAAAGTCTCATTTCAACTTGGAGATTGGAGAAAGCTTCCAG 1430
|||
Db 241 GCTGTGTGAGAGAGAAAGTCTCATTTCAACTTGGAGATTGGAGAAAGCTTCCAG 300
|||
QY 1431 AGAAGAGGCTTCCAGGCTGTGATTGAAAAAGAAACAGCATATGATAGACCTGTAAT 1490
|||
Db 301 AGAAGAGGCTTCCAGGCTGTGATTGAAAAAGAAACAGCATATGATAGACCTGTAAT 360
|||

QY 1491 GTGACATGAGATTGCTTAAATGGAACTTGTCCAGTTCAATC-AGCCGTCAACAACCA 1549
|||
Db 361 GTGACATGAGATTGCTTAAATGGAACTTGTCCAGTTCAATC-AGCCGTCAACAACCA 420
|||
QY 1550 AATTAATCCAGTGGGCACTACAGATGACACCGGCAAT-AGGATTCGGGCTGTGA 1606
|||
Db 421 AATTAATCCAGTGGGCACTACAGATGACACCGGCAAT-AGGATTCGGGCTGTGA 478
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RESULT 9

US-09-328-111-269/C
; Sequence 269, Application US/09328111
; Patent No. 626233
; GENERAL INFORMATION:
; APPLICANT: Endege, Wilson O.
; APPLICANT: Steinmann, Kathleen E.
; APPLICANT: Astle, Jon H.
; APPLICANT: Burgess, Christopher C.
; APPLICANT: Bushnell, Steven E.
; APPLICANT: Carroll III, Eddie
; APPLICANT: Carino, Theodore J.
; APPLICANT: Dertli, Adnan
; APPLICANT: Ford, Donna M.
; APPLICANT: Lewis, Marcia E.
; APPLICANT: Monahan, John E.
; APPLICANT: Schlegel, Robert
; TITLE OF INVENTION: NOVEL HUMAN GENES AND GENE EXPRESSION
; TITLE OF INVENTION: PRODUCTS
; FILE REFERENCE: CCD-257 (US)
; CURRENT APPLICATION NUMBER: US/09/328,111
; CURRENT FILING DATE: 1999-06-08
; EARLIER APPLICATION NUMBER: US 60/088,801
; EARLIER FILING DATE: 1998-06-10
; NUMBER OF SEQ ID NOS: 850
; SOFTWARE: PastsEQ for Windows Version 3.0
; SEQ ID NO 269
; LENGTH: 643
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(643)
; OTHER INFORMATION: n = A,T,C or G
US-09-328-111-269

Query Match 11.9%: Score 393; DB 3; Length 643;
Best Local Similarity 91.7%: Pred. No. 4.2e-104;
Matches 465; Conservative 0; Mismatches 35; Indels 7; Gaps 5;

QY 1805 CTCGAGAAAGCGAATTCGAATGACAGATTACACAGTTACTGCAATGCTGTGACT 1864
|||
Db 505 CTCGAGAAAGCGAATTCGAATGACAGATTACACAGTTACTGCAATGCTGTGACT 448
|||
QY 1865 TCACTCAGCATCTG-AGATGACATGAGTCTCAAGGAGAGATGGCTTNGTGCAGAA 1923
|||
Db 447 TCAATTAAGCTTTTAAAGATAGCATTAAGTCCAAAGNCAAAGATGGGTTTGGTGNCGAA 388
|||
QY 1924 AAGGAAGTATGAGCTC--CTAGAAGATGTTAGCCAGATTAAG--CTGAAGTCTCTC 1980
|||
Db 387 AAGGAAGTATGAGGTTCTTCTAGAAAGATGATATGCCAGATTAAGCTCTGAAGTCTCTC 328
|||
QY 1981 TCC-TCTTCCAGTTCCTGCAATCTTACAGCTGCTTTGGGTCAATTCGCCATGATGAGC 2039
|||
Db 327 TCCNTCTTCCAGTTCCTGCAATCTTACAGCTGCTTTGGGTCAATTCGCCATGATGAGC 268
|||
QY 2040 AATGACGTAAAGCAATGCAATTTGGGCTCTGTGTTCTTAAATTTGGTTATGACACAGA 2099
|||
Db 267 AATGACGTAAAGCAATGCAATTTGGGCTCTGTGTTCTTAAATTTGGTTATGACACAGA 208
|||
QY 2100 GATGTTTCTTCAAAAGTGGCAACCAATATGAGCTTACTATGATGATGATGATGATGATC 2159
|||
Db 207 GATGTTTCTTCAAAAGTGGCAACCAATATGAGCTTACTATGATGATGATGATGATGATC 148
|||

QY 2160 TGTGTGCTGTGGGTTGGGAGAGATTATCCAGACATGGGGAGATCTGAC 2219
DB 147 TGTGTGCTGTGGGTTGGGAGAGATTATCCAGACATGGGGAGATCTGAC 88
QY 2220 CCATACACCCCTCTGTAGTGGCTTCACTATTGAATGGCATCTGCCCTCACTGTGTGATT 2279
DB 87 CCATACACCCCTCTGTAGTGGCTTCACTATTGAATGGCATCTGCCCTCACTGTGTGATT 28
QY 2280 GCATCAATATTGGCCTTCCCATCAGT 2306
DB 27 GATCAAAATTATGGCCTTCCCATCAGT 1

RESULT 10
US-09-557-884-1
Sequence 1, Application US/09557884
Patent No. 6506581
GENERAL INFORMATION:
APPLICANT: Fleischmann et al.
TITLE OF INVENTION: The Nucleotide sequence of the Haemophilus influenzae Rd Genome, Fragments thereof, and Uses Thereof
NUMBER OF SEQUENCES: 1
CORRESPONDENCE ADDRESS:
ADDRESSEE: Human Genome Sciences, Inc.
STREET: 9410 Key West Avenue
CITY: Rockville
STATE: MD
COUNTRY: USA
ZIP: 20850
COMPUTER READABLE FORM:
MEDIUM TYPE: 3 1/2 inch diskette
COMPUTER: Dell Pentium
OPERATING SYSTEM: MS DOS v6.22
SOFTWARE: ASCII Text
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/557,884
FILING DATE: 25-Apr-2000
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/476,102
FILING DATE: JUN-5-1995
ATTORNEY/AGENT INFORMATION:
NAME: Michelle S. Marks
REGISTRATION NUMBER: 41,971
REFERENCE/DOCKET NUMBER: PB186P3
TELECOMMUNICATION INFORMATION:
TELEPHONE: 301-309-8504
TELEFAX: 301-309-8439
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 1830121 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-09-557-884-1

Query Match 3.0%; Score 99.8; DB 4; Length 1830121;
Best Local Similarity 52.7%; Pred. No. 1.9e-16;
Matches 240; Conservative 0; Mismatches 212; Indels 3; Gaps 1;

QY 1984 TCTTCAGTTCCTCGCAGATCTTACAGCCCTGTGGGTCATTGCGCCCATGGGCAAG 2043
DB 1670240 TCTTCAGTTCCTTCATTTAATGTTAATTAACCGCTTGCAGATGGCATTTGGCAGCGTTCTAAG 1670299
QY 2044 ACCTAAGCATGGCATTGGGCTCTGTGCTTTA---TATTGTTTATGACAGAG 2100
DB 1670300 ACCTAAGCATGGCATTGGGCTCTGTGCTTTA---TATTGTTTATGAGAGCGGTA 1670359
QY 2101 ATGTTCCTTCAAAAGTGGCAACCAATATAGCTTCTACTCTAATAGTGTGTGTATCT 2160
DB 1670360 AATGTTCCTTCAAGTGGAGCTTAATCTTGATTTTACCTTAAGTGATTTGATTTG 1670419

QY 2161 GTGTGCTGTGGGTTGGGAGAGATTATCCAGACATGGGGAGATCTGAC 2220
DB 1670420 CTGTGGCTTATTTACTATATGAGCAAAAAGTATGGCACTGTGTGATTCACCG 1670479
QY 2221 CCATACACCCCTCTGTAGTGGCTTCACTATTGAATGGCATCTGCCCTCACTGTGTGATT 2280
DB 1670480 ATTTAAGCCCAAGCGGTGGCTTGGCCGCTCAATTGTGCTACTGATGACCGTTGTGCTGG 1670539
QY 2281 CATCAATATTGGCCTTCCCATCAGTACAGCACTTTGTAATGTGGGCTGTGTGCTG 2340
DB 1670540 CATCAGGACAGAGCTTACCCATCTCAACACAAACACTTGTGGAGCTATTTAAGTA 1670599
QY 2341 TTGGCTGCTCCGCTTCAAGAGGCTGTGACTGGGCTCTTTCGTATCATTTTATG 2400
DB 1670600 TTGGCTGCTCCGCTTCAAGAGGCTGTGACTGGGCTCTTTCGTATCATTTTATG 1670659
QY 2401 CCTGCTTGTACAGTCCCATTTCTGAGATTATC 2435
DB 1670660 CTGGATTGTACATTACAGCAGAGTGATTTTTC 1670694

RESULT 11
US-09-643-990A-1
Sequence 1, Application US/09643990A
Patent No. 6528289
GENERAL INFORMATION:
APPLICANT: Robert D. Fleischmann
Mark D. Adams
Owen White
Hamilton O. Smith
J. Craig Venter
TITLE OF INVENTION: The Nucleotide sequence of the Haemophilus influenzae Rd Genome, Fragments thereof, and Uses thereof
NUMBER OF SEQUENCES: 1
CORRESPONDENCE ADDRESS:
ADDRESSEE: Human Genome Sciences, Inc.
STREET: 9410 Key West Avenue
CITY: Rockville,
STATE: MD
COUNTRY: USA
ZIP: 20850
COMPUTER READABLE FORM:
MEDIUM TYPE: 3 1/2 inch diskette
COMPUTER: Dell Pentium
OPERATING SYSTEM: MS DOS v6.22
SOFTWARE: ASCII Text
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/643,990A
FILING DATE: 23-Aug-2000
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/487,429
FILING DATE: 1995-06-07
APPLICATION NUMBER: 08/426,787
FILING DATE: 1995-04-21
ATTORNEY/AGENT INFORMATION:
NAME: Kenley K. Hoover
REGISTRATION NUMBER: 40,302
REFERENCE/DOCKET NUMBER: PB186P1C1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 301-610-5790
TELEFAX: 310-309-8439
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 1830121 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-09-643-990A-1

Query Match 3.0%; Score 99.8; DB 4; Length 1830121;
Best Local Similarity 52.7%; Pred. No. 1.9e-16;
Matches 240; Conservative 0; Mismatches 212; Indels 3; Gaps 1;
QY 1984 TCTTCCAGTTCCTGACAGATCTTACAGCCGCTTGGGTCAATTCGCCATGCTGCAATG 2043
DB 1670240 TCTTCCAGTTCCTGACAGATCTTACAGCCGCTTGGGTCAATTCGCCATGCTGCAATG 1670299
QY 2044 ACCTAGCAGTTCCTGACAGATCTTACAGCCGCTTGGGTCAATTCGCCATGCTGCAATG 2100
DB 1670300 ACCTAGCAGTTCCTGACAGATCTTACAGCCGCTTGGGTCAATTCGCCATGCTGCAATG 1670359
QY 2101 ATGTTCTTCAAAAGTGGCAACCAATATGCTTCTACTCTATGCTGCTGCTGCTGCT 2160
DB 1670360 AATATGTTTCAAGGAGGAGCTTAACTTGAATTTACCTTAACTTGAATTTAGTATG 1670419
QY 2161 GTGTGCTCTGTGGGTTTGGGGAAGAGTATTCAGACATGCGGAGAGATCTGAC 2220
DB 1670420 CTGTGGGCTTAAATTAATTAATGAGCAAAAGTATGAGGAGCTTGTGATCTGGATCACCG 1670479
QY 2221 CGATCACACCTCTAGTGGCTTCAATTAATTAATGAGCTGCTGCTGCTGCTGCTGCT 2280
DB 1670480 ATTTAAGCCAGAGCGGCTTGGCTTGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1670539
QY 2281 CATCAAAATATGAGCTTCCATCAGTACCAACATTTGTAAGTGGCTGCTGCTGCTGCTG 2340
DB 1670540 CATCAGGCAAGGCTTACCATTCACCAACCAACATTTGTAAGTGGCTGCTGCTGCTGCTG 1670599
QY 2341 TTGGCTGGCTCCGCTCCAGAGAGCTGTTGACTGCGCTCTTCTGTAATCTTTATG 2400
DB 1670600 TCGGCTTTCAGCGTGTATGCAAGCTGTAATTAACGCTTATCCGAACATCAATTA 1670659
QY 2401 CCGGCTTTCAGCGTGTATGCAAGCTGTAATTAACGCTTATCCGAACATCAATTA 2455
DB 1670660 CTTGATTTTCACCTTACACGACAGTGCATTTTC 1670694

RESULT 12
US-09-252-991A-6471
Sequence 6471, Application US/09252991A
Patent No. 6551795
GENERAL INFORMATION:
APPLICANT: Marc J. Rubenfield et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
TITLE OR INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
FILE REFERENCE: 107196.136
CURRENT APPLICATION NUMBER: US/09/252,991A
CURRENT FILING DATE: 1999-02-18
PRIOR APPLICATION NUMBER: US 60/074,788
PRIOR FILING DATE: 1998-02-18
PRIOR APPLICATION NUMBER: US 60/094,190
PRIOR FILING DATE: 1998-07-27
NUMBER OF SEQ ID NOS: 33142
SEQ ID NO 6471
LENGTH: 1380
TYPE: DNA
ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-6471

Query Match 2.6%; Score 87; DB 4; Length 1380;
Best Local Similarity 49.2%; Pred. No. 7.5e-15;
Matches 262; Conservative 0; Mismatches 265; Indels 6; Gaps 1;
QY 514 TGTCTATCTGGGCTTCAATTAATGCAATTTGCTGGCAATTCGCTGGAGACCAATGATG 573
DB 78 TCTTGTACTGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 137
QY 574 TAGCAAAATCTTTTGTAGACAGTGTGAGGCTGAGGTGATGACCTGTAAGCAAGCTGCA 633
DB 138 TCGCCAGCGCATGAGGCACTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 197
QY 634 TCTAGCTAGCTATTTGAAACAGTGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 693

DB 198 TGTGCGCATGCTCTTGAGATTTCTGCGGTCTACTTCCCGCGGCGAGTCAACCGAA 257
QY 694 CCATCCGAGAGGCTTGAATTAAGTGTGAGATGTACACTGACTCAAGGCTTACTGATG 753
DB 258 CATCAGAGAGCGGCAT-----GTGATCCGAGATGATGATGATGATGATGATGATGATG 311
QY 754 CCGGCTAGTCAAGTGTATGTTGTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 813
DB 312 TCGGCAATGCTCTGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 371
QY 814 AGCTCCATATTTCTGAGACCAATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 873
DB 372 GCTGCGCGGTGTGACACCACTCATGCTGCGCGCATGATGCTGCTGCTGCTGCTGCTGCT 431
QY 874 CAAGGCGGAGAGAGGTGTCAAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 933
DB 432 GTGTCTGCGGTGCAAGGAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 491
QY 934 TGTCCCACTGCTTCTGGAATTAATGCTGGAATTTATTTCTTCTGCTGCTGCTGCTGCTGCT 993
DB 492 TGAAGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 551
QY 994 TCTCCATTAAGCAGATTCAGTCTTAATGCTTGTGAGCTTGGCAGTTTTC 1046
DB 552 TACTGATGCGGAGACCGCTTCCGACGCGCGCGCTTACGTCGCTGTAC 604

RESULT 13
US-09-252-991A-6303
Sequence 6303, Application US/09252991A
Patent No. 6551795
GENERAL INFORMATION:
APPLICANT: Marc J. Rubenfield et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
TITLE OR INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
FILE REFERENCE: 107196.136
CURRENT APPLICATION NUMBER: US/09/252,991A
CURRENT FILING DATE: 1999-02-18
PRIOR APPLICATION NUMBER: US 60/074,788
PRIOR FILING DATE: 1998-02-18
PRIOR APPLICATION NUMBER: US 60/094,190
PRIOR FILING DATE: 1998-07-27
NUMBER OF SEQ ID NOS: 33142
SEQ ID NO 6303
LENGTH: 1407
TYPE: DNA
ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-6303

Query Match 2.6%; Score 87; DB 4; Length 1407;
Best Local Similarity 49.2%; Pred. No. 7.6e-15;
Matches 262; Conservative 0; Mismatches 265; Indels 6; Gaps 1;
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DB 170 TCTTGTACTGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 229
QY 574 TAGCAAAATCTTTTGTAGACAGTGTGAGGCTGAGGTGATGACCTGTAAGCAAGCTGCA 633
DB 230 TCGCCAGCGCATGAGGCACTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 289
QY 634 TCTAGCTAGCTATTTGAAACAGTGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 693
DB 290 TGTGAGGAGATGCTTGAATTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 349
QY 694 CCAATCCGAGAGGCTTGAATTAATGAGTGTGATGATGATGATGATGATGATGATGATGATG 753
DB 350 CGATCAGAGAGCGCAT-----GTGATCCGAGATGATGATGATGATGATGATGATGATGAT 403
QY 754 CCGGCTAGTCAAGTGTATGTTGTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 813
DB 404 TCGGCAATGCTCTGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 463

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 QY 874 CAAGGGGCGAGGGGTGTCAAGTGTCTCACTGATTAATAATTTGATGTCTGGTGG 933
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 DB 584 TGACGCGGGTGTGTCTCGGGCTGTCTGCTGCTTCCCTGTTTCAAGAGCGTGTGAGTGG 643
 QY 994 TCCTCCATAGGAGATTCAGTTCTTAATGTTTGGAGCTTTCAGATTTTC 1046
 DB 644 TACTGATGCGGAGGACCGCTTCCGAGCGCGCGCTTACGTCGCTGTAC 696

 RESULT 14
 US-09-198-452A-1/c
 ; Sequence 1, Application US/09198452A
 ; Patent No. 6559294
 ; GENERAL INFORMATION:
 ; APPLICANT: Griffiths, R.
 ; TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragments
 ; TITLE OF INVENTION: thereof and uses thereof, in particular for the diagnosis, prevention
 ; FILE REFERENCE: 9710-003-999
 ; CURRENT APPLICATION NUMBER: US/09/198,452A
 ; CURRENT FILING DATE: 1998-11-24
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Query Match	2.6%	Score 86	DB 4	Length 1230025
Best Local Similarity	51.6%	Pred. No. 1.5e-12		
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QY	1984	TCCTCCAGTTCCTGCGAGATCCTTACAGCCTGCTTTGGGTCAATTCGCCCCATGTCGCAATG	2043	
Db	773577	TCCTTCCTACCTACAGATTAATGATGATGCTTTATGAGCGGTTCGTCACGGAATCTAATG	773518	
QY	2044	ACGTAAAGCATGCGATTTGGGCGCTCTGCTGCTTATATTGGTTATGACACAGAGATG	2103	
Db	773517	ATGTGCTATATGCAATGCTCTCTGTAAGCTGAGCTCT-----TGGCTCAGGCAATTCCTG	773464	
QY	2104	TTCTCTCAAAAGTGGCAACACCAATATGCTCTTACTCTATATGCTGATGCTGATGCTG	2163	
Db	773463	CTTCTCATACGTGCTATATTAATTAATTAAGGCTCATAGGCAATTTGGAGGCAATAGCGCTGGTCA	773404	
QY	2164	TGCTCTGCTGGGTTTGGGAGAGAGATTATCCAGACCATGGGAAAGATCTACACCGA	2223	
Db	773403	TAGGCGCTTGGAATTTGGGGAGTGGCGGTGTTATAGAAAATGATGAGCTGTAAAAATTAACGAGT	773344	
QY	2224	TCACACCTCTATATGCTCTCAGATTAATGAACCTGCGCATCTGCGCTCAGTGTGATTTGCAT	2283	
Db	773343	TACCCCGTCTCAGGATTTTCCGTGGGATGAGGCTCAGCATTAACATGCTTTAGCTT	773284	
QY	2284	CAAAATATGGCCTTCCCATCAGTACACACATTTGTAAGTGGGCTGTGTGCTGTGTTG	2343	
Db	773283	CTATTTTAAGACCTTCCTATATCTACAGCACATGTGTGTTGAGCGTTTATAGAAATAG	773224	
QY	2344	GCTGGCGCTCGGCTCCAGAGAGGCTGTGATGCTGCGCTCTCTTCTGTAACATTTTATGCGCT	2403	
Db	773223	GTTTACGACACAGAGATCCGTCGATTAACATTAAACATTTACAAAGATTTGACTCTCCT	773164	
QY	2404	GGTTTGTCACAGTCCC	2419	
Db	773163	GGTTTATTAACGTTCC	773148	
RESULT 15				
US-09-103-840A-2				
Sequence 2, Application US/09103840A				
Patent No. 6294328				
GENERAL INFORMATION:				
APPLICANT: FLEISCHMAN, Robert D.				
APPLICANT: WHITE, Owen R.				
APPLICANT: FRASER, Claire M.				
APPLICANT: VENTER, John C.				
TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM				
TITLE OF INVENTION: TUBERCULOSIS				
FILE REFERENCE: 24366-20007.00				
CURRENT APPLICATION NUMBER: US/09/103,840A				
CURRENT FILING DATE: 1998-06-24				
NUMBER OF SEQ ID NOS: 2				
SOFTWARE: PatentIn Ver. 2.1				
SEQ ID NO 2				
LENGTH: 4403765				
TYPE: DNA				
ORGANISM: Mycobacterium tuberculosis				
FEATURE:				
OTHER INFORMATION: CDC 1551				
OTHER INFORMATION: "n" bases at various positions throughout the sequence				
OTHER INFORMATION: represent a, t, c or g				
US-09-103-840A-2				
Query Match	2.2%	Score 73.6	DB 3	Length 4403765
Best Local Similarity	50.3%	Pred. No. 1.4e-09		
Matches 181	Conservative 0	Mismatches 179	Indels 0	Gaps 0
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Db	2549186	ATCCTGTGCTCGCACCGTCGTCGCGCATGTTACGTCTTCAACGTCGCGCAATGAT	2549245	
QY	573	GTACCAAAATCTTTTGGTATACGCTGTGGGCTCAGGTGTATGACCCCTGAAGCAAGCTGC	632	

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QY 693 ACCATCCGGAAGGCTTGATTGACGTGAGATGTACAACTCGACTCAAGGGCTACTGATG 752
Db 2549366 ACCATCCGAGCGGCATCGTTGATCTGTCCGGGTGTCCGTGACCAACGCGACTTCATG 2549425
QY 753 GCCGGCTCAGTCAGTCTATGTTGGTTCTGTCTGTGTGGCACTCGTGGCTTCTGTTTGG 812
Db 2549426 AACATCATGTCTGTGGGCTATCGGCAGCCGCTCTGGCTGTGTTGCTAACCGTATG 2549485
QY 813 AAGCTCCATTCTTCTGGAACCATTTGATTGTGTGCAACTATTGTTTCTCCCTCGTG 872
Db 2549486 GGGTACCCGGTGTGACACACACTCGATCATGGCGGCACTCGCGCGGCGGATCGCG 2549545

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Search completed: January 21, 2004, 15:33:25
 Job time : 206 secs

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